

## **Appendix B**

### **Monitoring Well Information**

**WELL PERMIT**

The New Jersey Department of Environmental Protection grants this permit in accordance with your application, attachments accompanying same application, and applicable laws and regulations. This permit is also subject to further conditions and stipulations enumerated in the supporting documents which are agreed to by the permittee upon acceptance of the permit

**Certifying Driller:** BRIAN D KOKOT, JOURNEYMAN LICENSE # 0017863

**Permit Issued to:** ENVIRONMENTAL PROBING INVESTIGATION

**Company Address:** 833 MONMOUTH RD CREAM RIDGE, NJ 08514

**PROPERTY OWNER**

Name: NISAN 12 LLC

Organization: Nisan 12, LLC

Address: 3001 Woodbridge Ave

City: Woodbridge

State: New Jersey

Zip Code: 08837

**PROPOSED WELL LOCATION**

Facility Name: Site 063 - 065

Address: 1 Burma Road

County: Hudson

Municipality: Jersey City

Lot: 11

Block: 24306

Easting (X): 612096 Northing (Y): 680384

Coordinate System: NJ State Plane (NAD83) - USFEET

**Local ID:** MW-09

**SITE CHARACTERISTICS**

**PROPOSED CONSTRUCTION**

**WELL USE:** MONITORING

Other Use(s): \_\_\_\_\_

Diameter (in.): 2

Regulatory Program

Requiring Wells/Borings: Water & Hazardous Waste Enforcement

Depth (ft.): 10

Case ID Number: G000008691

Pump Capacity (gpm): 0

Deviation Requested: N

Drilling Method: Hollow Stem Augers

Attachments: \_\_\_\_\_

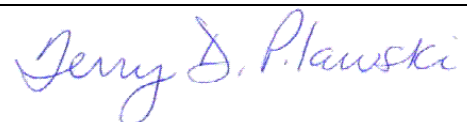
**SPECIFIC CONDITIONS/REQUIREMENTS**

**Approval Date:** March 14, 2013

**Expiration Date:** March 14, 2014

Approved by the authority of:

Bob Martin  
Commissioner



Terry Pilawski, Chief  
Bureau of Water Allocation and Well Permitting

**WELL PERMIT**

<b>DEVIATION INFORMATION</b>	
Purpose:	
Unusual Conditions:	
Reason for Deviation:	
Proposed Well Construction	

<b>GENERAL CONDITIONS/REQUIREMENTS</b>
A copy of this permit shall be kept at the worksite / on the property and shall be exhibited upon request. [N.J.A.C. 7:9D-1]
A well record must be submitted by the well driller to the Bureau of Water Systems and Well Permitting. Unless prior written approval is obtained from the Bureau of Water Systems and Well Permitting the well record shall be submitted electronically through the New Jersey Department of Environmental Protection's Regulatory Services Portal Submit Well Record: within ninety (90) days after the well is completed.[N.J.A.C. 7:9D-1]
All well drilling/pump installation activities shall comply with N.J.A.C. 7:9D-1 et seq. [N.J.A.C. 7:9D-1]
For this permit to remain valid, the well approved in this permit shall be constructed within one year of the effective date of the permit. [N.J.A.C. 7:9D-1]
If the pump capacity applied for is less than 70 gpm, no subsequent increase to 70 gpm or more shall be made without prior approval of the Bureau of Water Systems and Well Permitting. [N.J.A.C. 7:9D-1]
If the use of the well is to be changed a well permit for the proposed use of the well shall be submitted for review and approval. [N.J.A.C. 7:9D-1]
If you or a future property owner intend to redesignate this well as a Category 1 well (domestic, non-public, community water supply or public non-community water supply wells), the well must be constructed as a Category 1 well per the Well Construction and Abandonment Regulations at N.J.A.C. 7:0D-1.1 et seq. In addition, if the current or future property owner intends to have this well redesignated as a community water supply well, the well must be constructed by a Master well driller, which would include having a Master well driller on-site at all times during construction of the well, as specified in the Well Construction and Abandonment Regulations. Otherwise, the New Jersey Department of Environmental Protection will not allow the well to be redesignated, and a new well would have to be installed. [N.J.A.C. 7:9D-1.7((a))1i]
In accepting this permit the Property Owner and Driller agree to abide by the following terms and conditions [N.J.A.C. 7:9D-1]
In the event that this well is not constructed the well driller shall notify the Bureau of Water Systems and Well Permitting of the permit cancellation. Unless prior written approval is obtained from the Bureau of Water Systems and Well Permitting the Cancellation notification shall be submitted electronically through the New Jersey Department of Environmental Protection's Regulatory Services Portal Submit Well Permit Cancellation : by the expiration date of this permit.[N.J.A.C. 7:9D-1]
In the event this well is abandoned, the Owner or Well driller shall assume full responsibility for having the well decommissioned in a manner satisfactory to the New Jersey Department of Environmental Protection in accordance with the provisions of N.J.A.C. 7:9D-1 et seq. [N.J.A.C. 7:9D-1]
The granting of this permit shall not be construed in any way to affect the title or ownership of property, and shall not make the New Jersey Department of Environmental Protection or the State a party in any suit or question of ownership of property. [N.J.A.C. 7:9D-1]
The issuance of this permit shall not be deemed to affect in any way action by the New Jersey Department of Environmental Protection on any future application. [N.J.A.C. 7:9D-1]
This permit conveys no rights, either expressed, or implied to divert water. [N.J.A.C. 7:9D-1]
This permit does not waive the obtaining of Federal or other State or local Government consent when necessary. This permit is not valid and no work shall be undertaken until such time as all other required approvals and permits have been obtained. [N.J.A.C. 7:9D-1]
This permit is NONTRANSFERABLE [N.J.A.C. 7:9D]
This well shall not be used for the supply of potable / drinking water. [N.J.A.C. 7:9D-1]

**MONITORING WELL RECORD**

**PROPERTY OWNER:** NISAN 12 LLC

Company/Organization: Nisan 12, LLC

Address: 3001 Woodbridge Ave Woodbridge, New Jersey 08837

**WELL LOCATION:** Site 063 - 065

Address: 1 Burma Road

County: Hudson Municipality: Jersey City Lot: 11 Block: 24306

Easting (X): <u>612096</u> Northing (Y): <u>680384</u> Coordinate System: <u>NJ State Plane (NAD83) - USFEET</u>
---

**DATE WELL STARTED:** March 26, 2013

**DATE WELL COMPLETED:** March 26, 2013

**WELL USE:** MONITORING

**Other Use(s):** \_\_\_\_\_

**Local ID:** MW-09

**WELL CONSTRUCTION**

Total Depth Drilled (ft.): 7 Finished Well Depth (ft.): 7 Well Surface: Flush Mount

	Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter (inches)	Material	Wgt/Rating/Screen # Used (lbs/ch no.)
Borehole	0	7	10		
Casing	0	2	2	PVC	Sch 40
Screen	2	7	2	Sch 40 PVC	.010

	Depth to Top (ft.)	Depth to Bottom (ft.)	Outer Diameter (in.)	Inner Diameter (in.)	Material		
					Bentonite (lbs.)	Neat Cement (lbs.)	Water (gal.)
Grout	0	1	10	2	3	47	4
Gravel Pack	1	7	10	2	Morie #1		

Grouting Method: Gravity method

Drilling Method: Hollow Stem Augers

**ADDITIONAL INFORMATION**

Protective Casing: No  
 Static Water Level: 3 ft. below land surface  
 Water Level Measure Tool: Tape  
 Well Development Period: .5 hrs.  
 Method of Development: Submersible  
 Pump Type: \_\_\_\_\_

Pump Capacity: \_ gpm  
 Total Design Head: \_ ft.  
 Drilling Fluid: \_\_\_\_\_  
 Drill Rig: Geoprobe 6712  
 Health and Safety Plan Submitted? Yes

**ATTACHMENTS:**

**GEOLOGIC LOG**

0 - 7: Black / Brown SM - Silty sands, sand-silt mixtures

**ADDITIONAL INFORMATION:**

Driller of Record: Michael Santore, MONITORING LICENSE # 558531

Company: ENVIRONMENTAL PROBING INVESTIGATION



**New Jersey Department of Environmental Protection**  
 Site Remediation Program

**MONITORING WELL CERTIFICATION FORM A - AS-BUILT  
 CERTIFICATION**

Date Stamp  
 (For Department use only)

**SECTION A. SITE NAME AND LOCATION**

Site Name: Site 063  
 List all AKAs: Baldwin Oils  
 Street Address: 1 Burma Road  
 Municipality: Jersey City (Township, Borough or City)  
 County: Hudson Zip Code: 07305  
 Program Interest (PI) Number(s): G000008691 Case Tracking Number(s): \_\_\_\_\_

**SECTION B. WELL OWNER AND LOCATION**

1. Name of Well Owner Nisan 12, LLC  
 2. Well Location (Street Address) 1 Burma Road  
 3. Well Location (Municipal Block and Lot) Block# 24306 Lot # 11

**SECTION C. WELL LOCATION SPECIFICS**

1. Well Permit Number (This number must be permanently affixed to the well casing):.. E201303255  
 2. Site Well Number as shown on application or plans): ..... MW-09  
 3. Well Completion Date: ..... 3/26/13  
 4. Distance from Top of Casing (cap off) to ground surface (nearest 0.01'): ..... \_\_\_\_\_  
 5. Total Depth of Well to the nearest ½ foot: ..... 7  
 6. Depth to Top of Screen (or top of open hole) from top of casing (nearest 0.01'):..... 2  
 7. Screen Length (or length of open hole) in feet: ..... 5  
 8. Screen or Slot Size: ..... 0.10  
 9. Screen or Slot Material: ..... PVC  
 10. Casing Material (PVC, steel, or other – specify): ..... PVC  
 11. Casing Diameter (inches): ..... 2  
 12. Static Water Level from top of casing at the time of installation (nearest 0.01'): ..... 3  
 13. Yield (gallons per minute): ..... 2  
 14. Development Technique (specify): ..... Pump and surge  
 15. Length of Time well is developed/pumped or bailed (hours and minutes): ..... 0.5 hours



APTIM  
200 Horizon Center  
Trenton, NJ 08691

# WELL NUMBER MW-09

PAGE 1 OF 1

CLIENT PPG  
 PROJECT NUMBER 151136  
 DATE STARTED 3/25/13 COMPLETED 3/25/13  
 DRILLING CONTRACTOR EPI  
 DRILLING METHOD Track mounted geoprobe  
 LOGGED BY SW CHECKED BY KT  
 NOTES MW-9 was never surveyed. Elevation and Coordinates are NA.

PROJECT NAME Site 63  
 PROJECT LOCATION 1 Burma Road, Jersey City, NJ  
 GROUND ELEVATION Not surveyed HOLE SIZE 2 inches  
 GROUND WATER LEVELS:  
 ∇ AT TIME OF DRILLING 3.00 ft  
 AT END OF DRILLING ---  
 AFTER DRILLING ---

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 11/26/19 14:09 - \\ITREPF501\COMMON\MORAN\PPG - CHROME\SITE 63-65 - REPORTS\2019-05 SITE 63 GROUNDWATER RIR RAWP\2019 11 PRCBORING LOGS.GPJ

DEPTH (ft)	SAMPLE TYPE NUMBER	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM
0.0			Black to dark brown SILT, some sand and organic matter, moist	<p>Casing Top Elev: Not surveyed Casing Type: flush</p> <p>← bentonite</p> <p>← filter sand</p> <p>← 2" 0.10 Slot Screen</p>
1.0			Black to brown SILT with sand and organic matter, moist	
2.0			Dark gray to dark brown SILT with some sand and small gravel, moist (COPR detected from 2.0-2.5 ft)	
2.5				
3.0			∇ Yellow brown to brown SILT and large angular gravel, saturated	
4.0			Black SILT with some sand, saturated	
5.0			Brown small to large angular GRAVEL, some silt and sand, saturated	
6.0			Brown sandy SILT, saturated	
7.5				
8.0			Brown SILT with brown and black striations, trace sand, saturated	
9.5			No Recovery	
10.0			Bottom of borehole at 10.0 feet.	

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Name: NISAN 12 LLC

Organization: Nisan 12, LLC

Address: 3001 Woodbridge Ave

City: Woodbridge

State: New Jersey

Zip Code: 08837

**PROPOSED WELL LOCATION**

Facility Name: Site 063 - 065

Address: 1 Burma Road

County: Hudson

Municipality: Jersey City

Lot: 11

Block: 24306

Easting (X): 612256 Northing (Y): 680544

Coordinate System: NJ State Plane (NAD83) - USFEET

**Local ID:** MW-12

**SITE CHARACTERISTICS**

**PROPOSED CONSTRUCTION**

**WELL USE:** MONITORING

Other Use(s): \_\_\_\_\_

Diameter (in.): 2

Regulatory Program

Requiring Wells/Borings: Water & Hazardous Waste Enforcement

Depth (ft.): 10

Case ID Number: G000008691

Pump Capacity (gpm): 0

Deviation Requested: N

Drilling Method: Hollow Stem Augers

Attachments: \_\_\_\_\_

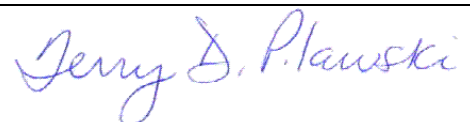
**SPECIFIC CONDITIONS/REQUIREMENTS**

**Approval Date:** March 14, 2013

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Approved by the authority of:

Bob Martin  
Commissioner



Terry Pilawski, Chief  
Bureau of Water Allocation and Well Permitting

**WELL PERMIT**

<b>DEVIATION INFORMATION</b>	
Purpose:	
Unusual Conditions:	
Reason for Deviation:	
Proposed Well Construction	

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The issuance of this permit shall not be deemed to affect in any way action by the New Jersey Department of Environmental Protection on any future application. [N.J.A.C. 7:9D-1]
This permit conveys no rights, either expressed, or implied to divert water. [N.J.A.C. 7:9D-1]
This permit does not waive the obtaining of Federal or other State or local Government consent when necessary. This permit is not valid and no work shall be undertaken until such time as all other required approvals and permits have been obtained. [N.J.A.C. 7:9D-1]
This permit is NONTRANSFERABLE [N.J.A.C. 7:9D]
This well shall not be used for the supply of potable / drinking water. [N.J.A.C. 7:9D-1]



**MONITORING WELL RECORD**

**PROPERTY OWNER:** NISAN 12 LLC

Company/Organization: Nisan 12, LLC

Address: 3001 Woodbridge Ave Woodbridge, New Jersey 08837

**WELL LOCATION:** Site 063 - 065

Address: 1 Burma Road

County: Hudson Municipality: Jersey City Lot: 11 Block: 24306

Easting (X): <u>612256</u> Northing (Y): <u>680544</u> Coordinate System: <u>NJ State Plane (NAD83) - USFEET</u>
---

**DATE WELL STARTED:** March 26, 2013

**DATE WELL COMPLETED:** March 26, 2013

**WELL USE:** MONITORING

**Other Use(s):** \_\_\_\_\_

**Local ID:** MW-12

**WELL CONSTRUCTION**

Total Depth Drilled (ft.): 10 Finished Well Depth (ft.): 10 Well Surface: Flush Mount

	Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter (inches)	Material	Wgt/Rating/Screen # Used (lbs/ch no.)
Borehole	0	10	10		
Casing	0	5	2	PVC	Sch 40
Screen	5	10	2	Sch 40 PVC	.010

	Depth to Top (ft.)	Depth to Bottom (ft.)	Outer Diameter (in.)	Inner Diameter (in.)	Material		
					Bentonite (lbs.)	Neat Cement (lbs.)	Water (gal.)
Grout	0	3	10	2	3	47	4
Gravel Pack	3	10	10	2	Morie #1		

Grouting Method: Gravity method

Drilling Method: Hollow Stem Augers

**ADDITIONAL INFORMATION**

Protective Casing: No  
 Static Water Level: 4 ft. below land surface  
 Water Level Measure Tool: Tape  
 Well Development Period: .5 hrs.  
 Method of Development: Submersible  
 Pump Type:

Pump Capacity: \_ gpm  
 Total Design Head: \_ ft.  
 Drilling Fluid:  
 Drill Rig: Geoprobe 6712  
 Health and Safety Plan Submitted? Yes

**ATTACHMENTS:**

**GEOLOGIC LOG**

0 - 10: Bronw / black SM - Silty sands, sand-silt mixtures

**ADDITIONAL INFORMATION:**

Driller of Record: Michael Santore,  
MONITORING LICENSE # 558531

Company: ENVIRONMENTAL PROBING  
INVESTIGATION



**New Jersey Department of Environmental Protection**  
 Site Remediation Program

**MONITORING WELL CERTIFICATION FORM A - AS-BUILT  
 CERTIFICATION**

Date Stamp  
 (For Department use only)

**SECTION A. SITE NAME AND LOCATION**

Site Name: Site 063  
 List all AKAs: Baldwin Oils  
 Street Address: 1 Burma Road  
 Municipality: Jersey City (Township, Borough or City)  
 County: Hudson Zip Code: 07305  
 Program Interest (PI) Number(s): G000008691 Case Tracking Number(s): \_\_\_\_\_

**SECTION B. WELL OWNER AND LOCATION**

1. Name of Well Owner Nisan 12, LLC  
 2. Well Location (Street Address) 1 Burma Road,  
 3. Well Location (Municipal Block and Lot) Block# 24306 Lot # 11

**SECTION C. WELL LOCATION SPECIFICS**

1. Well Permit Number (This number must be permanently affixed to the well casing):.. E201303256  
 2. Site Well Number as shown on application or plans): ..... MW-12  
 3. Well Completion Date: ..... 3/26/13  
 4. Distance from Top of Casing (cap off) to ground surface (nearest 0.01'): ..... 1.54  
 5. Total Depth of Well to the nearest 1/2 foot: ..... 10  
 6. Depth to Top of Screen (or top of open hole) from top of casing (nearest 0.01'):..... 5  
 7. Screen Length (or length of open hole) in feet: ..... 5  
 8. Screen or Slot Size: ..... 0.010  
 9. Screen or Slot Material: ..... PVC  
 10. Casing Material (PVC, steel, or other – specify): ..... PVC  
 11. Casing Diameter (inches): ..... 2  
 12. Static Water Level from top of casing at the time of installation (nearest 0.01'): ..... 4.00  
 13. Yield (gallons per minute): ..... 2  
 14. Development Technique (specify): ..... Pump and surge  
 15. Length of Time well is developed/pumped or bailed (hours and minutes): ..... 0.5



New Jersey Department of Environmental Protection  
Site Remediation Program

Monitoring Well Certification Form B - Location Certification

Date Stamp  
(For Department use only)

**SECTION A. SITE NAME AND LOCATION**

Site Name: Nisan 12, LLC  
 List all AKAs: PPG Site 063/065  
 Street Address: 1 Burma Road  
 Municipality: Jersey City (Township, Borough or City)  
 County: Hudson Zip Code: 07305  
 Program Interest (PI) Number(s): G00008691 Case Tracking Number(s): \_\_\_\_\_

**SECTION B. WELL OWNER AND LOCATION**

1. Name of Well Owner Nisan 12, LLC  
 2. Well Location (Street Address) 1 Burma Road  
 3. Well Location (Municipal Block and Lot) Block# 21503 Lot # 11

**SECTION C. WELL LOCATION SPECIFICS**

1. Well Permit Number (This number must be permanently affixed to the well casing): E201303256  
 2. Site Well Number (As shown on application or plans): MW-12  
 3. Geographic Coordinate NAD 83 to nearest 1/100 of a second:  
 Latitude: North 40-42-03.20 Longitude: West 74-04-00.52  
 4. New Jersey State Plane Coordinates NAD 83 datum, US survey feet units, to nearest foot:  
 North 680526 East 612226  
 5. Elevation of Top of Inner Casing (cap off) at reference mark (nearest 0.01'): 10.50  
 Elevation Top of Outer casing: 10.78 Elevation of ground: 8.96  
 Check one:  NAVD 88  NVDG29  On Site Datum  Other  
 6. Source of elevation datum (benchmark, number/description and elevation/datum). If an on-site datum is used, identify here, assume datum of 100', and give approximated actual elevation (referencing NAVD 88).  
GPS observations using KEYNET VRS SYSTEM in NAVD88  
 7. Significant observations and notes:

**SECTION D. LAND SURVEYOR'S CERTIFICATION**

SEAL

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment.

Professional Land Surveyor's Signature: *R. Thomas Hugg* Date 10/10/16  
 Surveyor's Name: R. Thomas Hugg License Number: 24GS03673700  
 Firm Name: Maser Consulting P.A. Certificate of Authorization #: 24GA27986500  
 Mailing Address 156 Stagecoach Road  
 City/Town: Marmora State New Jersey Zip Code: 08223  
 Phone Number 609-390-1927 Ext.: 4419 Fax: 609-390-0040



APTIM  
200 Horizon Center  
Trenton, NJ 08691

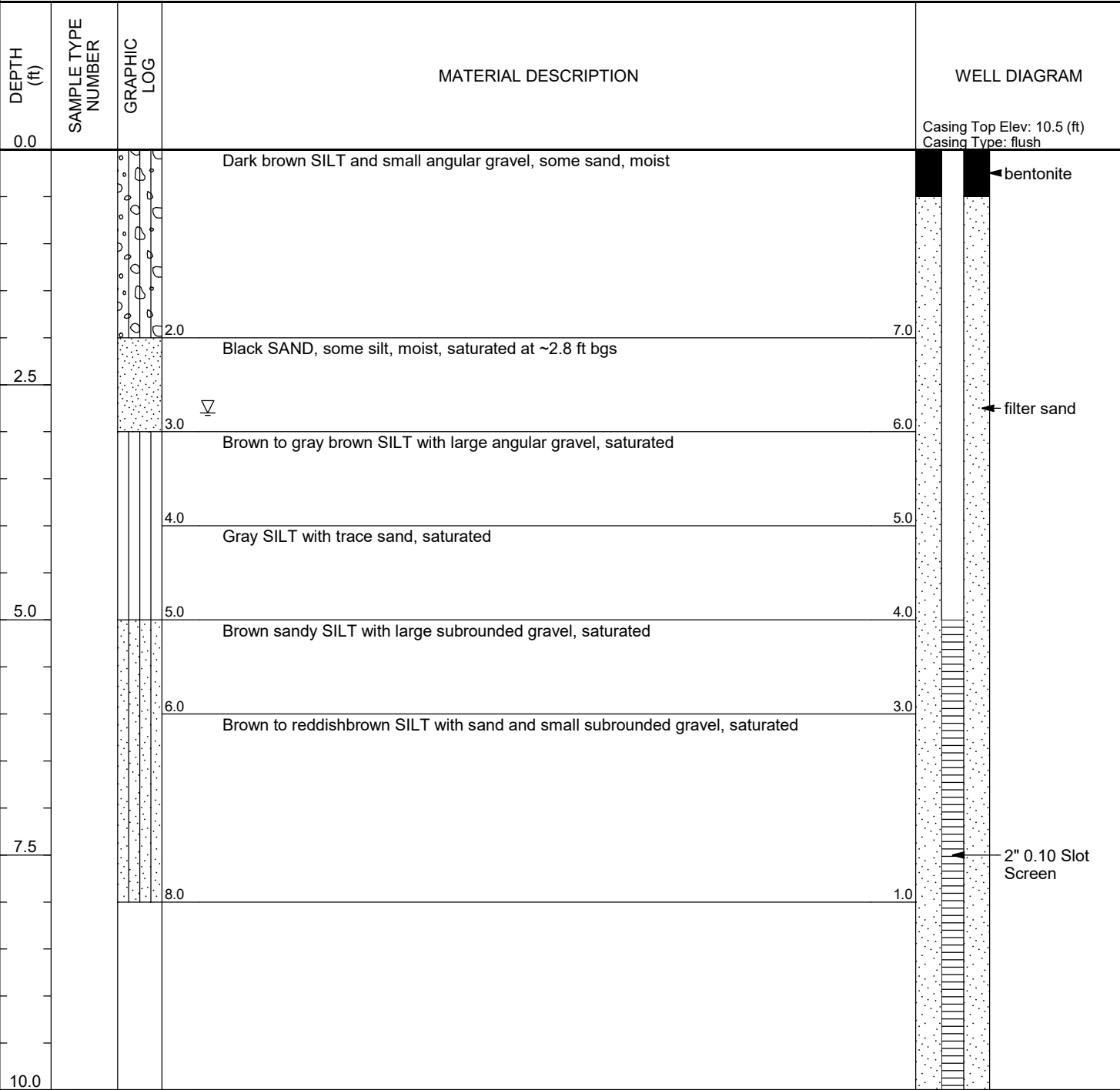
# WELL NUMBER MW-12

PAGE 1 OF 1

CLIENT PPG  
 PROJECT NUMBER 151136  
 DATE STARTED 3/25/13 COMPLETED 3/25/13  
 DRILLING CONTRACTOR EPI  
 DRILLING METHOD Track mounted geoprobe  
 LOGGED BY SW CHECKED BY KT  
 NOTES \_\_\_\_\_

PROJECT NAME Site 63  
 PROJECT LOCATION 1 Burma Road, Jersey City, NJ  
 GROUND ELEVATION 8.96 ft HOLE SIZE 2 inches  
 GROUND WATER LEVELS:  
 ▽ AT TIME OF DRILLING 2.80 ft / Elev 6.16 ft  
 AT END OF DRILLING ---  
 AFTER DRILLING ---

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 11/26/19 14:09 - \ITREPF501\COMMON\MORAN\PPG - CHROME\SITE 63-65\REPORTS\2019-05 SITE 63 GROUNDWATER RIR RAWP\2019 11 PRCBORING LOGS.GPJ



Bottom of borehole at 10.0 feet.

**WELL PERMIT**

New Well

The New Jersey Department of Environmental Protection grants this permit in accordance with your application, attachments accompanying same application, and applicable laws and regulations. This permit is also subject to further conditions and stipulations enumerated in the supporting documents which are agreed to by the permittee upon acceptance of the permit

**Certifying Driller:** BRIAN D KOKOT, JOURNEYMAN LICENSE # 0017863

**Permit Issued to:** ENVIRONMENTAL PROBING INVESTIGATION

**Company Address:** 833 MONMOUTH RD CREAM RIDGE, NJ 08514

**PROPERTY OWNER**

Name: NISAN 12 LLC

Organization: Nisan 12, LLC

Address: 1 Burma Dr

City: Jersey City State: New Jersey Zip Code: 07305

**PROPOSED WELL LOCATION**

Facility Name: Nisan 12, LLC

Address: 1 Burma Road

County: Hudson Municipality: Jersey City Lot: 11 Block: 21503

Easting (X): 612179 Northing (Y): 680245  
Coordinate System: NJ State Plane (NAD83) - USFEET

**Local ID:** MW-101

**SITE CHARACTERISTICS**

**PROPOSED CONSTRUCTION**

**WELL USE:** MONITORING

Other Use(s): \_\_\_\_\_

Diameter (in.): 2

Regulatory Program

Requiring Wells/Borings: \_\_\_\_\_

Depth (ft.): 7

Case ID Number: \_\_\_\_\_

Pump Capacity (gpm): 0

Deviation Requested: N

Drilling Method: Hollow Stem Augers

Attachments: \_\_\_\_\_

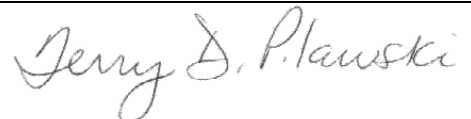
**SPECIFIC CONDITIONS/REQUIREMENTS**

**Approval Date:** May 23, 2016

**Expiration Date:** May 23, 2017

Approved by the authority of:

Bob Martin  
Commissioner



Terry Pilawski, Chief  
Bureau of Water Allocation and Well Permitting

**WELL PERMIT**  
 New Well

<b>DEVIATION INFORMATION</b>	
Purpose:	
Unusual Conditions:	
Reason for Deviation:	
Proposed Well Construction	

<b>GENERAL CONDITIONS/REQUIREMENTS</b>
A copy of this permit shall be kept at the worksite / on the property and shall be exhibited upon request. [N.J.A.C. 7:9D-1]
A well record must be submitted by the well driller to the Bureau of Water Systems and Well Permitting. Unless prior written approval is obtained from the Bureau of Water Systems and Well Permitting the well record shall be submitted electronically through the New Jersey Department of Environmental Protection's Regulatory Services Portal Submit Well Record: within ninety (90) days after the well is completed.[N.J.A.C. 7:9D-1]
All well drilling/pump installation activities shall comply with N.J.A.C. 7:9D-1 et seq. [N.J.A.C. 7:9D-1]
For this permit to remain valid, the well approved in this permit shall be constructed within one year of the effective date of the permit. [N.J.A.C. 7:9D-1]
If the pump capacity applied for is less than 70 gpm, no subsequent increase to 70 gpm or more shall be made without prior approval of the Bureau of Water Systems and Well Permitting. [N.J.A.C. 7:9D-1]
If the use of the well is to be changed a well permit for the proposed use of the well shall be submitted for review and approval. [N.J.A.C. 7:9D-1]
If you or a future property owner intend to redesignate this well as a Category 1 well (domestic, non-public, community water supply or public non-community water supply wells), the well must be constructed as a Category 1 well per the Well Construction and Abandonment Regulations at N.J.A.C. 7:0D-1.1 et seq. In addition, if the current or future property owner intends to have this well redesignated as a community water supply well, the well must be constructed by a Master well driller, which would include having a Master well driller on-site at all times during construction of the well, as specified in the Well Construction and Abandonment Regulations. Otherwise, the New Jersey Department of Environmental Protection will not allow the well to be redesignated, and a new well would have to be installed. [N.J.A.C. 7:9D-1.7((a))1i]
In accepting this permit the Property Owner and Driller agree to abide by the following terms and conditions [N.J.A.C. 7:9D-1]
In the event that this well is not constructed the well driller shall notify the Bureau of Water Systems and Well Permitting of the permit cancellation. Unless prior written approval is obtained from the Bureau of Water Systems and Well Permitting the Cancellation notification shall be submitted electronically through the New Jersey Department of Environmental Protection's Regulatory Services Portal Submit Well Permit Cancellation : by the expiration date of this permit.[N.J.A.C. 7:9D-1]
In the event this well is abandoned, the Owner or Well driller shall assume full responsibility for having the well decommissioned in a manner satisfactory to the New Jersey Department of Environmental Protection in accordance with the provisions of N.J.A.C. 7:9D-1 et seq. [N.J.A.C. 7:9D-1]
The granting of this permit shall not be construed in any way to affect the title or ownership of property, and shall not make the New Jersey Department of Environmental Protection or the State a party in any suit or question of ownership of property. [N.J.A.C. 7:9D-1]
The issuance of this permit shall not be deemed to affect in any way action by the New Jersey Department of Environmental Protection on any future application. [N.J.A.C. 7:9D-1]
This permit conveys no rights, either expressed, or implied to divert water. [N.J.A.C. 7:9D-1]
This permit does not waive the obtaining of Federal or other State or local Government consent when necessary. This permit is not valid and no work shall be undertaken until such time as all other required approvals and permits have been obtained. [N.J.A.C. 7:9D-1]
This permit is NONTRANSFERABLE [N.J.A.C. 7:9D]
This well shall not be used for the supply of potable / drinking water. [N.J.A.C. 7:9D-1]

**MONITORING WELL RECORD**

**PROPERTY OWNER:** NISAN 12 LLC

Company/Organization: Nisan 12, LLC

Address: 1 Burma Dr Jersey City, New Jersey 07305

**WELL LOCATION:** Nisan 12, LLC

Address: 1 Burma Road

County: Hudson Municipality: Jersey City Lot: 11 Block: 21503

Easting (X): <u>612179</u> Northing (Y): <u>680245</u> Coordinate System: <u>NJ State Plane (NAD83) - USFEET</u>
---

**DATE WELL STARTED:** May 27, 2016

**DATE WELL COMPLETED:** May 27, 2016

**WELL USE:** MONITORING

**Other Use(s):** \_\_\_\_\_

**Local ID:** MW-101

**WELL CONSTRUCTION**

Total Depth Drilled (ft.): 7 Finished Well Depth (ft.): 7 Well Surface: Flush Mount

	Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter (inches)	Material	Wgt/Rating/Screen # Used (lbs/ch no.)
Borehole	0	7	8		
Casing	0	2	2	PVC	Sch 40
Screen	2	7	2	PVC	.010

	Depth to Top (ft.)	Depth to Bottom (ft.)	Outer Diameter (in.)	Inner Diameter (in.)	Material		
					Bentonite (lbs.)	Neat Cement (lbs.)	Water (gal.)
Grout	0	1	8	2	6		3
Gravel Pack	1	7	8	2	Morie #1		

Grouting Method: Gravity method

Drilling Method: Hollow Stem Augers

**ADDITIONAL INFORMATION**

Protective Casing: No

Static Water Level: 2.5 ft. below land surface

Water Level Measure Tool: Tape

Well Development Period: .5 hrs.

Method of Development: Submersible

Pump Type: \_\_\_\_\_

Pump Capacity: \_ gpm

Total Design Head: \_ ft.

Drilling Fluid: \_\_\_\_\_

Drill Rig: Geoprobe 7720

Health and Safety Plan Submitted? Yes

**ATTACHMENTS:**

**GEOLOGIC LOG**

0 - 7: Brown SM - Silty sands, sand-silt mixtures

**ADDITIONAL INFORMATION:**

Driller of Record: Carl Farley,  
MONITORING LICENSE # 225877

Company: ENVIRONMENTAL PROBING  
INVESTIGATION



**MONITORING WELL CERTIFICATION FORM A - AS-BUILT  
CERTIFICATION**

Date Stamp  
(For Department use only)

**SECTION A. SITE NAME AND LOCATION**

Site Name: Site 063  
 List all AKAs: Baldwin Oils  
 Street Address: 1 Burma Road  
 Municipality: Jersey City (Township, Borough or City)  
 County: Hudson Zip Code: 07305  
 Program Interest (PI) Number(s): G000008691 Case Tracking Number(s): \_\_\_\_\_

**SECTION B. WELL OWNER AND LOCATION**

1. Name of Well Owner Nisan 12, LLC  
 2. Well Location (Street Address) 1 Burma Road,  
 3. Well Location (Municipal Block and Lot) Block# 21503 Lot # 11

**SECTION C. WELL LOCATION SPECIFICS**

1. Well Permit Number (This number must be permanently affixed to the well casing):.. E201606011  
 2. Site Well Number as shown on application or plans): ..... MW-101  
 3. Well Completion Date: ..... 5/27/2016  
 4. Distance from Top of Casing (cap off) to ground surface (nearest 0.01'): ..... 0.50  
 5. Total Depth of Well to the nearest 1/2 foot: ..... 7  
 6. Depth to Top of Screen (or top of open hole) from top of casing (nearest 0.01'):..... 2.00  
 7. Screen Length (or length of open hole) in feet: ..... 5  
 8. Screen or Slot Size: ..... 0.010  
 9. Screen or Slot Material: ..... PVC  
 10. Casing Material (PVC, steel, or other – specify): ..... PVC  
 11. Casing Diameter (inches): ..... 2  
 12. Static Water Level from top of casing at the time of installation (nearest 0.01'): ..... 1.60  
 13. Yield (gallons per minute): ..... 2  
 14. Development Technique (specify): ..... Pump and surge  
 15. Length of Time well is developed/pumped or bailed (hours and minutes): ..... 0.5





New Jersey Department of Environmental Protection  
Site Remediation Program

Monitoring Well Certification Form B - Location Certification

Date Stamp  
(For Department use only)

**SECTION A. SITE NAME AND LOCATION**

Site Name: Nisan 12, LLC  
 List all AKAs: PPG Site 063/065  
 Street Address: 1 Burma Road  
 Municipality: Jersey City (Township, Borough or City)  
 County: Hudson Zip Code: 07305  
 Program Interest (PI) Number(s): G00008691 Case Tracking Number(s): \_\_\_\_\_

**SECTION B. WELL OWNER AND LOCATION**

1. Name of Well Owner Nisan 12, LLC  
 2. Well Location (Street Address) 1 Burma Road  
 3. Well Location (Municipal Block and Lot) Block# 21503 Lot # 11

**SECTION C. WELL LOCATION SPECIFICS**

1. Well Permit Number (This number must be permanently affixed to the well casing): E201606011  
 2. Site Well Number (As shown on application or plans): MW-101  
 3. Geographic Coordinate NAD 83 to nearest 1/100 of a second:  
 Latitude: North 40-42-01.14 Longitude: West 74-04-00.30  
 4. New Jersey State Plane Coordinates NAD 83 datum, US survey feet units, to nearest foot:  
 North 680317 East 612244  
 5. Elevation of Top of Inner Casing (cap off) at reference mark (nearest 0.01'): 7.81  
 Elevation Top of Outer casing: 8.29 Elevation of ground: 8.29  
 Check one:  NAVD 88  NVDG29  On Site Datum  Other  
 6. Source of elevation datum (benchmark, number/description and elevation/datum). If an on-site datum is used, identify here, assume datum of 100', and give approximated actual elevation (referencing NAVD 88).  
GPS observations using KEYNET VRS SYSTEM in NAVD88  
 7. Significant observations and notes:

**SECTION D. LAND SURVEYOR'S CERTIFICATION**

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment.

SEAL

Professional Land Surveyor's Signature: *R. Thomas Hugg* Date 10/10/16  
 Surveyor's Name: R. Thomas Hugg License Number: 24GS03673700  
 Firm Name: Maser Consulting P.A. Certificate of Authorization #: 24GA27986500  
 Mailing Address 156 Stagecoach Road  
 City/Town: Marmora State New Jersey Zip Code: 08223  
 Phone Number 609-390-1927 Ext.: 4419 Fax: 609-390-0040



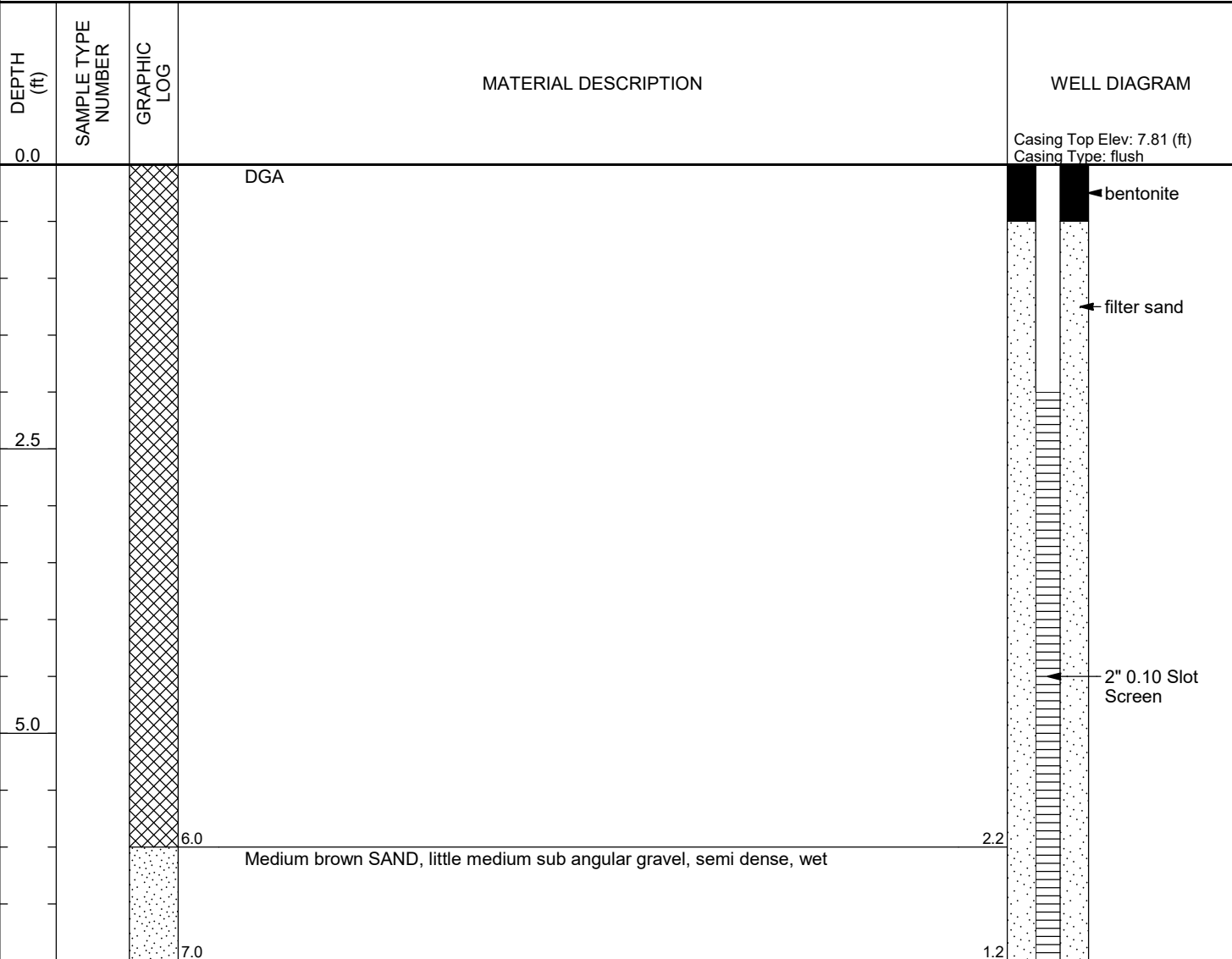
APTIM  
200 Horizon Center  
Trenton, NJ 08691

# WELL NUMBER MW-101

PAGE 1 OF 1

CLIENT PPG PROJECT NAME Site 63/65  
 PROJECT NUMBER \_\_\_\_\_ PROJECT LOCATION 1 Burma Road, Jersey City, New Jersey  
 DATE STARTED 5/27/16 COMPLETED 5/27/16 GROUND ELEVATION 8.29 ft HOLE SIZE 2 inches  
 DRILLING CONTRACTOR EPI WATER LEVEL DRILLING ---  
 DRILLING METHOD Track mounted geoprobe  
 LOGGED BY KT CHECKED BY JA  
 NOTES \_\_\_\_\_

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 5/10/19 08:55 - T:\MORAN\MORAN\PPG - CHROME\SITE 63-65\ REPORTS\2019-05 SITE 63 GROUNDWATER RIR RAW\PIWELL LOGS\PPG SITE 63-65 WELL LOGS.GPJ



Bottom of borehole at 7.0 feet.

**WELL PERMIT**

New Well

The New Jersey Department of Environmental Protection grants this permit in accordance with your application, attachments accompanying same application, and applicable laws and regulations. This permit is also subject to further conditions and stipulations enumerated in the supporting documents which are agreed to by the permittee upon acceptance of the permit

**Certifying Driller:** BRIAN D KOKOT, JOURNEYMAN LICENSE # 0017863

**Permit Issued to:** ENVIRONMENTAL PROBING INVESTIGATION

**Company Address:** 833 MONMOUTH RD CREAM RIDGE, NJ 08514

**PROPERTY OWNER**

Name: NISAN 12 LLC

Organization: Nisan 12, LLC

Address: 1 Burma Dr

City: Jersey City State: New Jersey Zip Code: 07305

**PROPOSED WELL LOCATION**

Facility Name: Nisan 12, LLC

Address: 1 Burma Road

County: Hudson Municipality: Jersey City Lot: 11 Block: 21503

Easting (X): 612314 Northing (Y): 680517  
Coordinate System: NJ State Plane (NAD83) - USFEET

**Local ID:** MW-102

**SITE CHARACTERISTICS**

**PROPOSED CONSTRUCTION**

**WELL USE:** MONITORING

Other Use(s): \_\_\_\_\_

Diameter (in.): 2

Regulatory Program

Requiring Wells/Borings: \_\_\_\_\_

Depth (ft.): 7

Case ID Number: \_\_\_\_\_

Pump Capacity (gpm): 0

Deviation Requested: N

Drilling Method: Hollow Stem Augers

Attachments: \_\_\_\_\_

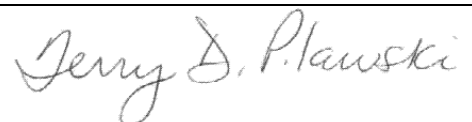
**SPECIFIC CONDITIONS/REQUIREMENTS**

**Approval Date:** May 23, 2016

**Expiration Date:** May 23, 2017

Approved by the authority of:

Bob Martin  
Commissioner



Terry Pilawski, Chief  
Bureau of Water Allocation and Well Permitting

**WELL PERMIT**  
 New Well

<b>DEVIATION INFORMATION</b>	
Purpose:	
Unusual Conditions:	
Reason for Deviation:	
Proposed Well Construction	

<b>GENERAL CONDITIONS/REQUIREMENTS</b>
A copy of this permit shall be kept at the worksite / on the property and shall be exhibited upon request. [N.J.A.C. 7:9D-1]
A well record must be submitted by the well driller to the Bureau of Water Systems and Well Permitting. Unless prior written approval is obtained from the Bureau of Water Systems and Well Permitting the well record shall be submitted electronically through the New Jersey Department of Environmental Protection's Regulatory Services Portal Submit Well Record: within ninety (90) days after the well is completed.[N.J.A.C. 7:9D-1]
All well drilling/pump installation activities shall comply with N.J.A.C. 7:9D-1 et seq. [N.J.A.C. 7:9D-1]
For this permit to remain valid, the well approved in this permit shall be constructed within one year of the effective date of the permit. [N.J.A.C. 7:9D-1]
If the pump capacity applied for is less than 70 gpm, no subsequent increase to 70 gpm or more shall be made without prior approval of the Bureau of Water Systems and Well Permitting. [N.J.A.C. 7:9D-1]
If the use of the well is to be changed a well permit for the proposed use of the well shall be submitted for review and approval. [N.J.A.C. 7:9D-1]
If you or a future property owner intend to redesignate this well as a Category 1 well (domestic, non-public, community water supply or public non-community water supply wells), the well must be constructed as a Category 1 well per the Well Construction and Abandonment Regulations at N.J.A.C. 7:0D-1.1 et seq. In addition, if the current or future property owner intends to have this well redesignated as a community water supply well, the well must be constructed by a Master well driller, which would include having a Master well driller on-site at all times during construction of the well, as specified in the Well Construction and Abandonment Regulations. Otherwise, the New Jersey Department of Environmental Protection will not allow the well to be redesignated, and a new well would have to be installed. [N.J.A.C. 7:9D-1.7((a))1i]
In accepting this permit the Property Owner and Driller agree to abide by the following terms and conditions [N.J.A.C. 7:9D-1]
In the event that this well is not constructed the well driller shall notify the Bureau of Water Systems and Well Permitting of the permit cancellation. Unless prior written approval is obtained from the Bureau of Water Systems and Well Permitting the Cancellation notification shall be submitted electronically through the New Jersey Department of Environmental Protection's Regulatory Services Portal Submit Well Permit Cancellation : by the expiration date of this permit.[N.J.A.C. 7:9D-1]
In the event this well is abandoned, the Owner or Well driller shall assume full responsibility for having the well decommissioned in a manner satisfactory to the New Jersey Department of Environmental Protection in accordance with the provisions of N.J.A.C. 7:9D-1 et seq. [N.J.A.C. 7:9D-1]
The granting of this permit shall not be construed in any way to affect the title or ownership of property, and shall not make the New Jersey Department of Environmental Protection or the State a party in any suit or question of ownership of property. [N.J.A.C. 7:9D-1]
The issuance of this permit shall not be deemed to affect in any way action by the New Jersey Department of Environmental Protection on any future application. [N.J.A.C. 7:9D-1]
This permit conveys no rights, either expressed, or implied to divert water. [N.J.A.C. 7:9D-1]
This permit does not waive the obtaining of Federal or other State or local Government consent when necessary. This permit is not valid and no work shall be undertaken until such time as all other required approvals and permits have been obtained. [N.J.A.C. 7:9D-1]
This permit is NONTRANSFERABLE [N.J.A.C. 7:9D]
This well shall not be used for the supply of potable / drinking water. [N.J.A.C. 7:9D-1]

**MONITORING WELL RECORD**

**PROPERTY OWNER:** NISAN 12 LLC

Company/Organization: Nisan 12, LLC

Address: 1 Burma Dr Jersey City, New Jersey 07305

**WELL LOCATION:** Nisan 12, LLC

Address: 1 Burma Road

County: Hudson Municipality: Jersey City Lot: 11 Block: 21503

Easting (X): <u>612314</u> Northing (Y): <u>680517</u> Coordinate System: <u>NJ State Plane (NAD83) - USFEET</u>
---

**DATE WELL STARTED:** May 27, 2016  
**DATE WELL COMPLETED:** May 27, 2016

**WELL USE:** MONITORING

**Other Use(s):** \_\_\_\_\_ **Local ID:** MW-102

**WELL CONSTRUCTION**

Total Depth Drilled (ft.): 8 Finished Well Depth (ft.): 8 Well Surface: Flush Mount

	Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter (inches)	Material	Wgt/Rating/Screen # Used (lbs/ch no.)
Borehole	0	8	8		
Casing	0	3	2	PVC	Sch 40
Screen	3	8	2	PVC	.010

	Depth to Top (ft.)	Depth to Bottom (ft.)	Outer Diameter (in.)	Inner Diameter (in.)	Material		
					Bentonite (lbs.)	Neat Cement (lbs.)	Water (gal.)
Grout	0	1	8	2	6		3
Gravel Pack	1	8	8	2	Morie #1		

Grouting Method: Gravity method Drilling Method: Hollow Stem Augers

**ADDITIONAL INFORMATION**

Protective Casing: No  
 Static Water Level: 2.5 ft. below land surface  
 Water Level Measure Tool: Tape  
 Well Development Period: .5 hrs.  
 Method of Development: Submersible  
 Pump Type:

Pump Capacity: \_ gpm  
 Total Design Head: \_ ft.  
 Drilling Fluid:  
 Drill Rig: Geoprobe 7720  
 Health and Safety Plan Submitted? Yes

**ATTACHMENTS:**

**GEOLOGIC LOG**

0 - 8: Brown SM - Silty sands, sand-silt mixtures

**ADDITIONAL INFORMATION:**

Driller of Record: Carl Farley,  
MONITORING LICENSE # 225877

Company: ENVIRONMENTAL PROBING  
INVESTIGATION



**MONITORING WELL CERTIFICATION FORM A - AS-BUILT  
CERTIFICATION**

Date Stamp  
(For Department use only)

**SECTION A. SITE NAME AND LOCATION**

Site Name: Site 063  
List all AKAs: Baldwin Oil  
Street Address: 1 Burma Road  
Municipality: Jersey City (Township, Borough or City)  
County: Hudson Zip Code: 07305  
Program Interest (PI) Number(s): G000008691 Case Tracking Number(s): \_\_\_\_\_

**SECTION B. WELL OWNER AND LOCATION**

1. Name of Well Owner Nisan 12, LLC  
2. Well Location (Street Address) 1 Burma Road  
3. Well Location (Municipal Block and Lot) Block# 21503 Lot # 11

**SECTION C. WELL LOCATION SPECIFICS**

1. Well Permit Number (This number must be permanently affixed to the well casing):.. E201606013  
2. Site Well Number as shown on application or plans): ..... MW-102  
3. Well Completion Date: ..... 5/27/2016  
4. Distance from Top of Casing (cap off) to ground surface (nearest 0.01'): ..... 0.35  
5. Total Depth of Well to the nearest 1/2 foot: ..... 8  
6. Depth to Top of Screen (or top of open hole) from top of casing (nearest 0.01'):..... 3.0  
7. Screen Length (or length of open hole) in feet: ..... 5  
8. Screen or Slot Size: ..... 0.010  
9. Screen or Slot Material: ..... PVC  
10. Casing Material (PVC, steel, or other – specify): ..... PVC  
11. Casing Diameter (inches): ..... 2  
12. Static Water Level from top of casing at the time of installation (nearest 0.01'): ..... 1.90  
13. Yield (gallons per minute): ..... 2  
14. Development Technique (specify): ..... Pump and surge  
15. Length of Time well is developed/pumped or bailed (hours and minutes): ..... 0.5



**New Jersey Department of Environmental Protection**  
**Site Remediation Program**

**Monitoring Well Certification Form B - Location Certification**

Date Stamp  
 (For Department use only)

**SECTION A. SITE NAME AND LOCATION**

Site Name: Nisan 12, LLC  
 List all AKAs: PPG Site 063/065  
 Street Address: 1 Burma Road  
 Municipality: Jersey City (Township, Borough or City)  
 County: Hudson Zip Code: 07305  
 Program Interest (PI) Number(s): G00008691 Case Tracking Number(s): \_\_\_\_\_

**SECTION B. WELL OWNER AND LOCATION**

1. Name of Well Owner Nisan 12, LLC  
 2. Well Location (Street Address) 1 Burma Road  
 3. Well Location (Municipal Block and Lot) Block# 21503 Lot # 11

**SECTION C. WELL LOCATION SPECIFICS**

1. Well Permit Number (This number must be permanently affixed to the well casing): E201606013  
 2. Site Well Number (As shown on application or plans): MW-102  
 3. Geographic Coordinate NAD 83 to nearest 1/100 of a second:  
 Latitude: North 40-42-02.84 Longitude: West 74-03-59.56  
 4. New Jersey State Plane Coordinates NAD 83 datum, US survey feet units, to nearest foot:  
 North 680490 East 612301  
 5. Elevation of Top of Inner Casing (cap off) at reference mark (nearest 0.01'): 8.54  
 Elevation Top of Outer casing: 8.88 Elevation of ground: 8.88  
 Check one:  NAVD 88  NVDG29  On Site Datum  Other  
 6. Source of elevation datum (benchmark, number/description and elevation/datum). If an on-site datum is used, identify here, assume datum of 100', and give approximated actual elevation (referencing NAVD 88).  
GPS observations using KEYNET VRS SYSTEM in NAVD88  
 7. Significant observations and notes:

**SECTION D. LAND SURVEYOR'S CERTIFICATION**

SEAL

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment.

Professional Land Surveyor's Signature: R. Thomas Hugg Date 10/10/16  
 Surveyor's Name: R. Thomas Hugg License Number: 24GS03673700  
 Firm Name: Maser Consulting P.A. Certificate of Authorization #: 24GA27986500  
 Mailing Address 156 Stagecoach Road  
 City/Town: Marmora State New Jersey Zip Code: 08223  
 Phone Number 609-390-1927 Ext.: 4419 Fax: 609-390-0040



APTIM  
200 Horizon Center  
Trenton, NJ 08691

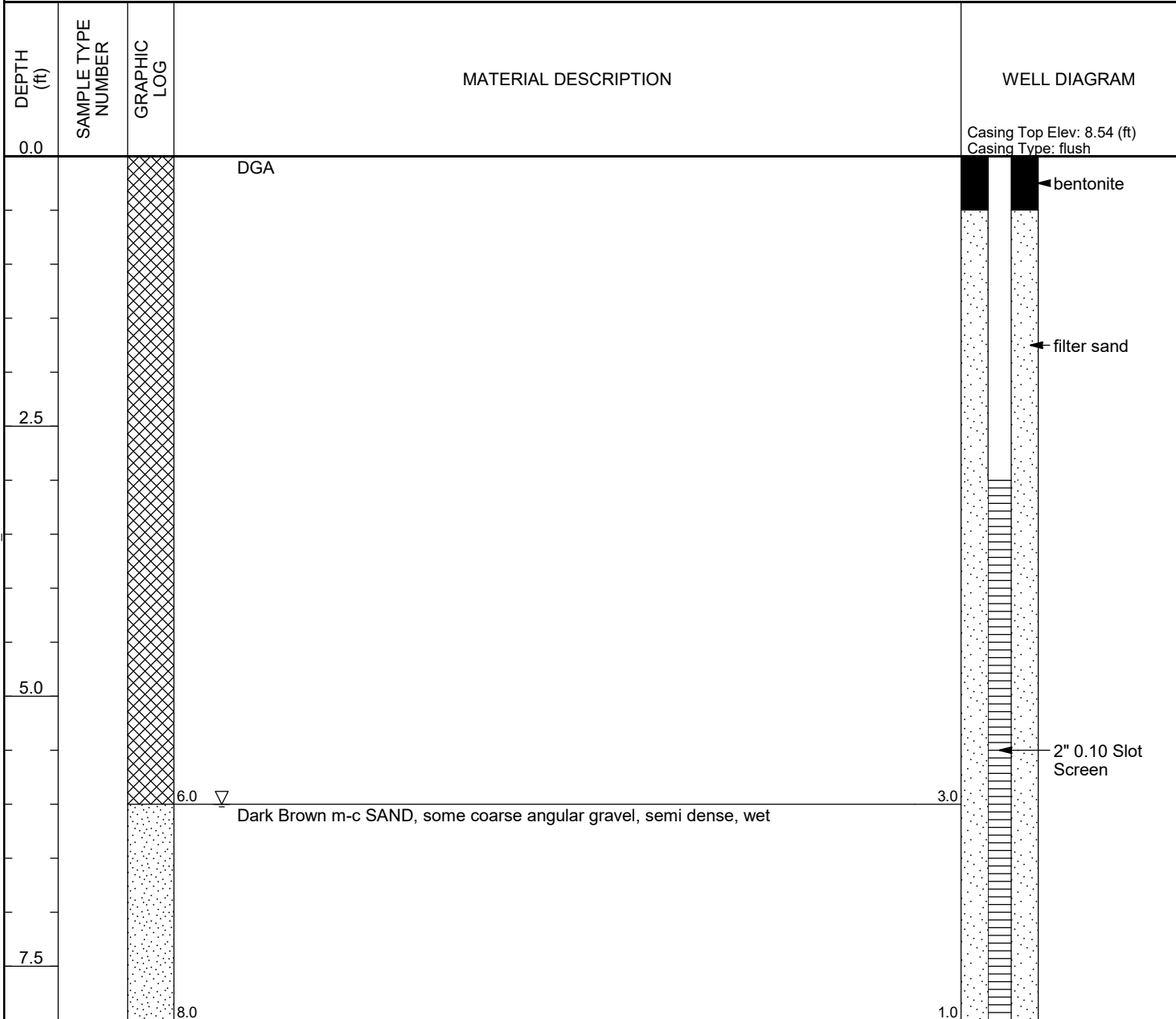
# WELL NUMBER MW-102

PAGE 1 OF 1

CLIENT PPG  
 PROJECT NUMBER \_\_\_\_\_  
 DATE STARTED 5/27/16 COMPLETED 5/27/16  
 DRILLING CONTRACTOR EPI  
 DRILLING METHOD Track mounted geoprobe  
 LOGGED BY KT CHECKED BY JA  
 NOTES \_\_\_\_\_

PROJECT NAME Site 63/65  
 PROJECT LOCATION 1 Burma Road, Jersey City, New Jersey  
 GROUND ELEVATION 8.88 ft HOLE SIZE 2 inches  
 WATER LEVEL DRILLING 6.00 ft / Elev 3.01 ft

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 5/10/19 08:55 - T:\MORAN\MORAN\PPG - CHROME\SITE 63-65\ REPORTS\2019-05 SITE 63 GROUNDWATER RIR RAW\PIWELL LOGS\PPG SITE 63-65 WELL LOGS.GPJ



Bottom of borehole at 8.0 feet.



**WELL PERMIT**

New Well

The New Jersey Department of Environmental Protection grants this permit in accordance with your application, attachments accompanying same application, and applicable laws and regulations. This permit is also subject to further conditions and stipulations enumerated in the supporting documents which are agreed to by the permittee upon acceptance of the permit

**Certifying Driller:** BRIAN D KOKOT, JOURNEYMAN LICENSE # 0017863

**Permit Issued to:** ENVIRONMENTAL PROBING INVESTIGATION

**Company Address:** 833 MONMOUTH RD CREAM RIDGE, NJ 08514

**PROPERTY OWNER**

Name: NISAN 12 LLC

Organization: Nisan 12, LLC

Address: 1 Burma Dr

City: Jersey City State: New Jersey Zip Code: 07305

**PROPOSED WELL LOCATION**

Facility Name: Nisan 12, LLC

Address: 1 Burma Road

County: Hudson Municipality: Jersey City Lot: 11 Block: 21503

Easting (X): 612218 Northing (Y): 680470  
Coordinate System: NJ State Plane (NAD83) - USFEET

**Local ID:** MW-103

**SITE CHARACTERISTICS**

**PROPOSED CONSTRUCTION**

**WELL USE:** MONITORING

Other Use(s): \_\_\_\_\_

Diameter (in.): 2

Regulatory Program

Requiring Wells/Borings: \_\_\_\_\_

Depth (ft.): 7

Case ID Number: \_\_\_\_\_

Pump Capacity (gpm): 0

Deviation Requested: N

Drilling Method: Hollow Stem Augers

Attachments: \_\_\_\_\_

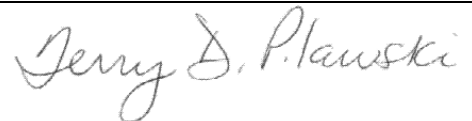
**SPECIFIC CONDITIONS/REQUIREMENTS**

**Approval Date:** May 23, 2016

**Expiration Date:** May 23, 2017

Approved by the authority of:

Bob Martin  
Commissioner



Terry Pilawski, Chief  
Bureau of Water Allocation and Well Permitting

**WELL PERMIT**  
 New Well

<b>DEVIATION INFORMATION</b>	
Purpose:	
Unusual Conditions:	
Reason for Deviation:	
Proposed Well Construction	

<b>GENERAL CONDITIONS/REQUIREMENTS</b>
A copy of this permit shall be kept at the worksite / on the property and shall be exhibited upon request. [N.J.A.C. 7:9D-1]
A well record must be submitted by the well driller to the Bureau of Water Systems and Well Permitting. Unless prior written approval is obtained from the Bureau of Water Systems and Well Permitting the well record shall be submitted electronically through the New Jersey Department of Environmental Protection's Regulatory Services Portal Submit Well Record: within ninety (90) days after the well is completed.[N.J.A.C. 7:9D-1]
All well drilling/pump installation activities shall comply with N.J.A.C. 7:9D-1 et seq. [N.J.A.C. 7:9D-1]
For this permit to remain valid, the well approved in this permit shall be constructed within one year of the effective date of the permit. [N.J.A.C. 7:9D-1]
If the pump capacity applied for is less than 70 gpm, no subsequent increase to 70 gpm or more shall be made without prior approval of the Bureau of Water Systems and Well Permitting. [N.J.A.C. 7:9D-1]
If the use of the well is to be changed a well permit for the proposed use of the well shall be submitted for review and approval. [N.J.A.C. 7:9D-1]
If you or a future property owner intend to redesignate this well as a Category 1 well (domestic, non-public, community water supply or public non-community water supply wells), the well must be constructed as a Category 1 well per the Well Construction and Abandonment Regulations at N.J.A.C. 7:0D-1.1 et seq. In addition, if the current or future property owner intends to have this well redesignated as a community water supply well, the well must be constructed by a Master well driller, which would include having a Master well driller on-site at all times during construction of the well, as specified in the Well Construction and Abandonment Regulations. Otherwise, the New Jersey Department of Environmental Protection will not allow the well to be redesignated, and a new well would have to be installed. [N.J.A.C. 7:9D-1.7((a))1i]
In accepting this permit the Property Owner and Driller agree to abide by the following terms and conditions [N.J.A.C. 7:9D-1]
In the event that this well is not constructed the well driller shall notify the Bureau of Water Systems and Well Permitting of the permit cancellation. Unless prior written approval is obtained from the Bureau of Water Systems and Well Permitting the Cancellation notification shall be submitted electronically through the New Jersey Department of Environmental Protection's Regulatory Services Portal Submit Well Permit Cancellation : by the expiration date of this permit.[N.J.A.C. 7:9D-1]
In the event this well is abandoned, the Owner or Well driller shall assume full responsibility for having the well decommissioned in a manner satisfactory to the New Jersey Department of Environmental Protection in accordance with the provisions of N.J.A.C. 7:9D-1 et seq. [N.J.A.C. 7:9D-1]
The granting of this permit shall not be construed in any way to affect the title or ownership of property, and shall not make the New Jersey Department of Environmental Protection or the State a party in any suit or question of ownership of property. [N.J.A.C. 7:9D-1]
The issuance of this permit shall not be deemed to affect in any way action by the New Jersey Department of Environmental Protection on any future application. [N.J.A.C. 7:9D-1]
This permit conveys no rights, either expressed, or implied to divert water. [N.J.A.C. 7:9D-1]
This permit does not waive the obtaining of Federal or other State or local Government consent when necessary. This permit is not valid and no work shall be undertaken until such time as all other required approvals and permits have been obtained. [N.J.A.C. 7:9D-1]
This permit is NONTRANSFERABLE [N.J.A.C. 7:9D]
This well shall not be used for the supply of potable / drinking water. [N.J.A.C. 7:9D-1]

**MONITORING WELL RECORD**

**PROPERTY OWNER:** NISAN 12 LLC

Company/Organization: Nisan 12, LLC

Address: 1 Burma Dr Jersey City, New Jersey 07305

**WELL LOCATION:** Nisan 12, LLC

Address: 1 Burma Road

County: Hudson Municipality: Jersey City Lot: 11 Block: 21503

Easting (X): <u>612218</u> Northing (Y): <u>680470</u> Coordinate System: <u>NJ State Plane (NAD83) - USFEET</u>
---

**DATE WELL STARTED:** May 27, 2016  
**DATE WELL COMPLETED:** May 27, 2016

**WELL USE:** MONITORING

**Other Use(s):** \_\_\_\_\_ **Local ID:** MW-103

**WELL CONSTRUCTION**

Total Depth Drilled (ft.): 7 Finished Well Depth (ft.): 7 Well Surface: Flush Mount

	Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter (inches)	Material	Wgt/Rating/Screen # Used (lbs/ch no.)
Borehole	0	7	8		
Casing	0	2	2	PVC	Sch 40
Screen	2	7	2	PVC	.010

	Depth to Top (ft.)	Depth to Bottom (ft.)	Outer Diameter (in.)	Inner Diameter (in.)	Material		
					Bentonite (lbs.)	Neat Cement (lbs.)	Water (gal.)
Grout	0	1	8	2	6		3
Gravel Pack	1	7	8	2	Morie #1		

Grouting Method: Gravity method Drilling Method: Hollow Stem Augers

**ADDITIONAL INFORMATION**

Protective Casing: No  
 Static Water Level: 2.5 ft. below land surface  
 Water Level Measure Tool: Tape  
 Well Development Period: .5 hrs.  
 Method of Development: Submersible  
 Pump Type:

Pump Capacity: \_ gpm  
 Total Design Head: \_ ft.  
 Drilling Fluid:  
 Drill Rig: Geoprobe 7720  
 Health and Safety Plan Submitted? Yes

**ATTACHMENTS:**

**GEOLOGIC LOG**

0 - 7: Brown SM - Silty sands, sand-silt mixtures

**ADDITIONAL INFORMATION:**

Driller of Record: Carl Farley,  
MONITORING LICENSE # 225877

Company: ENVIRONMENTAL PROBING  
INVESTIGATION



**MONITORING WELL CERTIFICATION FORM A - AS-BUILT  
CERTIFICATION**

Date Stamp  
(For Department use only)

**SECTION A. SITE NAME AND LOCATION**

Site Name: Site 063  
 List all AKAs: Baldwin Oil  
 Street Address: 1 Burma Road  
 Municipality: Jersey City (Township, Borough or City)  
 County: Hudson Zip Code: 07305  
 Program Interest (PI) Number(s): G000008691 Case Tracking Number(s): \_\_\_\_\_

**SECTION B. WELL OWNER AND LOCATION**

1. Name of Well Owner Nisan 12, LLC  
 2. Well Location (Street Address) 1 Burma Road,  
 3. Well Location (Municipal Block and Lot) Block# 21503 Lot # 11

**SECTION C. WELL LOCATION SPECIFICS**

1. Well Permit Number (This number must be permanently affixed to the well casing):.. E201606012  
 2. Site Well Number as shown on application or plans): ..... MW-103  
 3. Well Completion Date: ..... 5/27/2016  
 4. Distance from Top of Casing (cap off) to ground surface (nearest 0.01'): ..... 0.50  
 5. Total Depth of Well to the nearest 1/2 foot: ..... 7  
 6. Depth to Top of Screen (or top of open hole) from top of casing (nearest 0.01'):..... 2.00  
 7. Screen Length (or length of open hole) in feet: ..... 5  
 8. Screen or Slot Size: ..... 0.010  
 9. Screen or Slot Material: ..... PVC  
 10. Casing Material (PVC, steel, or other – specify): ..... PVC  
 11. Casing Diameter (inches): ..... 2  
 12. Static Water Level from top of casing at the time of installation (nearest 0.01'): ..... 1.45  
 13. Yield (gallons per minute): ..... 2  
 14. Development Technique (specify): ..... Submersible Pump  
 15. Length of Time well is developed/pumped or bailed (hours and minutes): ..... 0.5



New Jersey Department of Environmental Protection  
Site Remediation Program

Monitoring Well Certification Form B - Location Certification

Date Stamp  
(For Department use only)

**SECTION A. SITE NAME AND LOCATION**

Site Name: Nisan 12, LLC  
 List all AKAs: PPG Site 063/065  
 Street Address: 1 Burma Road  
 Municipality: Jersey City (Township, Borough or City)  
 County: Hudson Zip Code: 07305  
 Program Interest (PI) Number(s): G00008691 Case Tracking Number(s): \_\_\_\_\_

**SECTION B. WELL OWNER AND LOCATION**

1. Name of Well Owner Nisan 12, LLC  
 2. Well Location (Street Address) 1 Burma Road  
 3. Well Location (Municipal Block and Lot) Block# 21503 Lot # 11

**SECTION C. WELL LOCATION SPECIFICS**

1. Well Permit Number (This number must be permanently affixed to the well casing): E201606012  
 2. Site Well Number (As shown on application or plans): MW-103  
 3. Geographic Coordinate NAD 83 to nearest 1/100 of a second:  
 Latitude: North 40-42-02.57 Longitude: West 74-04-00.60  
 4. New Jersey State Plane Coordinates NAD 83 datum, US survey feet units, to nearest foot:  
 North 680462 East 612221  
 5. Elevation of Top of Inner Casing (cap off) at reference mark (nearest 0.01'): 7.91  
 Elevation Top of Outer casing: 8.37 Elevation of ground: 8.40  
 Check one:  NAVD 88  NVGD29  On Site Datum  Other  
 6. Source of elevation datum (benchmark, number/description and elevation/datum). If an on-site datum is used, identify here, assume datum of 100', and give approximated actual elevation (referencing NAVD 88).  
GPS observations using KEYNET VRS SYSTEM in NAVD88  
 7. Significant observations and notes:

**SECTION D. LAND SURVEYOR'S CERTIFICATION**

SEAL

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment.

Professional Land Surveyor's Signature: R. Thomas Hugg Date 10/10/16  
 Surveyor's Name: R. Thomas Hugg License Number: 24GS03673700  
 Firm Name: Maser Consulting P.A. Certificate of Authorization #: 24GA27986500  
 Mailing Address 156 Stagecoach Road  
 City/Town: Marmora State New Jersey Zip Code: 08223  
 Phone Number 609-390-1927 Ext.: 4419 Fax: 609-390-0040



APTIM  
200 Horizon Center  
Trenton, NJ 08691

# WELL NUMBER MW-103

CLIENT PPG PROJECT NAME Site 63/65

PROJECT NUMBER \_\_\_\_\_ PROJECT LOCATION 1 Burma Road, Jersey City, New Jersey

DATE STARTED 5/27/16 COMPLETED 5/27/16 GROUND ELEVATION 8.40 ft HOLE SIZE 2 inches

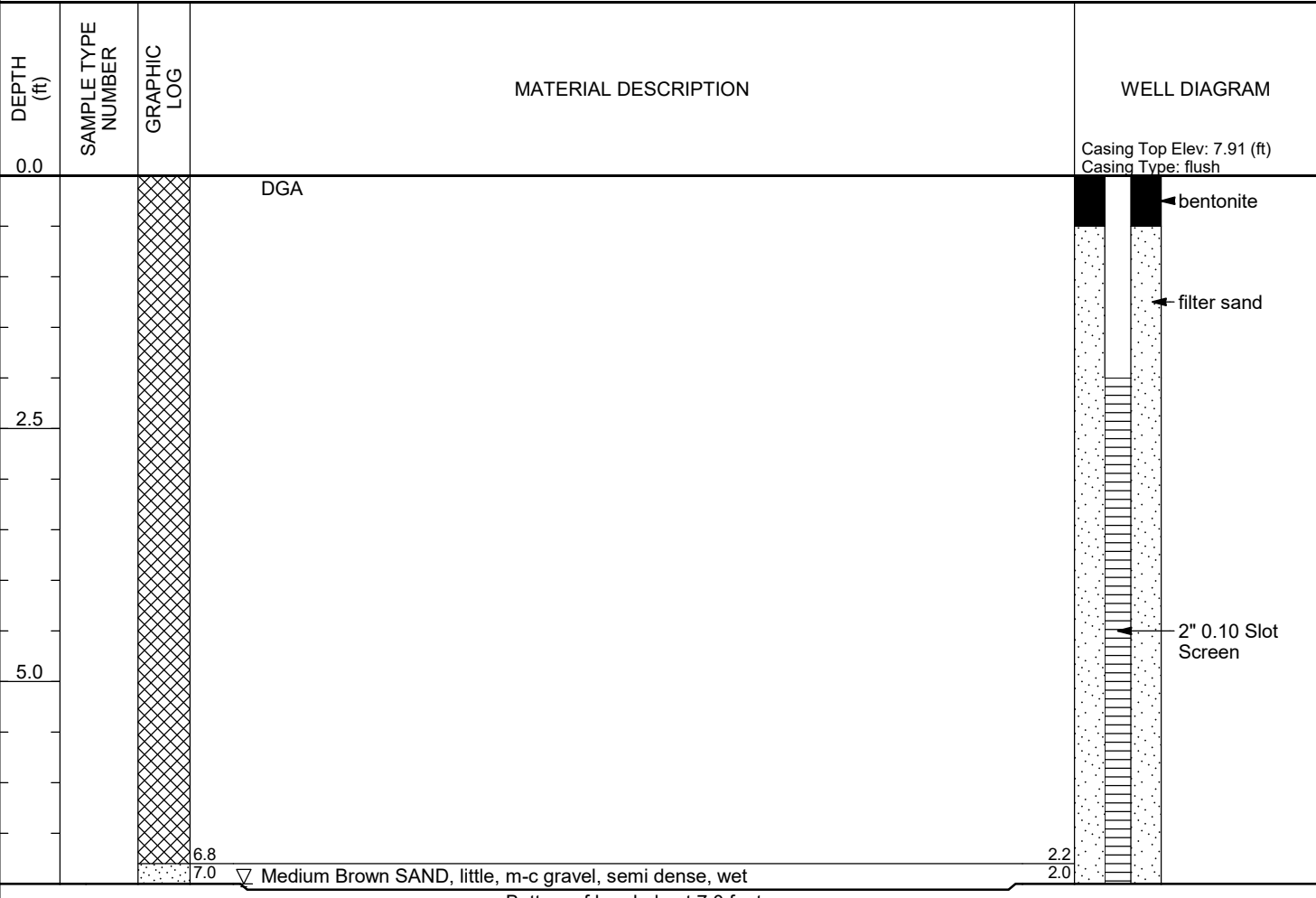
DRILLING CONTRACTOR EPI WATER LEVEL DRILLING 7.00 ft / Elev 2.00 ft

DRILLING METHOD Track mounted geoprobe

LOGGED BY KT CHECKED BY JA

NOTES \_\_\_\_\_

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 5/10/19 08:55 - T:\MORAN\MORAN\PPG - CHROME\SITE 63-65 - REPORTS\2019-05 SITE 63 GROUNDWATER RIR RAW\PIWELL LOGS\PPG SITE 63-65 WELL LOGS.GPJ



**WELL PERMIT**

New Well

The New Jersey Department of Environmental Protection grants this permit in accordance with your application, attachments accompanying same application, and applicable laws and regulations. This permit is also subject to further conditions and stipulations enumerated in the supporting documents which are agreed to by the permittee upon acceptance of the permit

**Certifying Driller:** BRIAN D KOKOT, JOURNEYMAN LICENSE # 0017863

**Permit Issued to:** ENVIRONMENTAL PROBING INVESTIGATION

**Company Address:** 833 MONMOUTH RD CREAM RIDGE, NJ 08514

**PROPERTY OWNER**

Name: CITY OF JERSEY CITY

Organization: City of Jersey City

Address: 280 Grove St

City: Jersey City State: New Jersey Zip Code: 07302

**PROPOSED WELL LOCATION**

Facility Name: Roadways

Address: Morris Pesin Drive

County: Hudson Municipality: Jersey City Lot: ROW Block: ROW

Easting (X): 612090 Northing (Y): 680155  
Coordinate System: NJ State Plane (NAD83) - USFEET

**Local ID:** MW-201

**SITE CHARACTERISTICS**

**PROPOSED CONSTRUCTION**

**WELL USE:** MONITORING

Other Use(s): \_\_\_\_\_

Diameter (in.): 2

Regulatory Program

Requiring Wells/Borings: \_\_\_\_\_

Depth (ft.): 10

Case ID Number: \_\_\_\_\_

Pump Capacity (gpm): 0

Deviation Requested: N

Drilling Method: Hollow Stem Augers

Attachments: \_\_\_\_\_

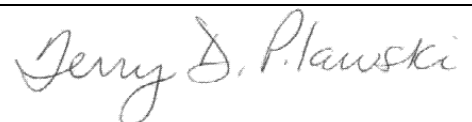
**SPECIFIC CONDITIONS/REQUIREMENTS**

**Approval Date:** June 26, 2017

**Expiration Date:** June 26, 2018

Approved by the authority of:

Bob Martin  
Commissioner



Terry Pilawski, Chief  
Bureau of Water Allocation and Well Permitting

**WELL PERMIT**  
 New Well

<b>DEVIATION INFORMATION</b>	
Purpose:	
Unusual Conditions:	
Reason for Deviation:	
Proposed Well Construction	

<b>GENERAL CONDITIONS/REQUIREMENTS</b>
A copy of this permit shall be kept at the worksite / on the property and shall be exhibited upon request. [N.J.A.C. 7:9D-1]
A well record must be submitted by the well driller to the Bureau of Water Systems and Well Permitting. Unless prior written approval is obtained from the Bureau of Water Systems and Well Permitting the well record shall be submitted electronically through the New Jersey Department of Environmental Protection's Regulatory Services Portal Submit Well Record: within ninety (90) days after the well is completed.[N.J.A.C. 7:9D-1]
All well drilling/pump installation activities shall comply with N.J.A.C. 7:9D-1 et seq. [N.J.A.C. 7:9D-1]
For this permit to remain valid, the well approved in this permit shall be constructed within one year of the effective date of the permit. [N.J.A.C. 7:9D-1]
If the pump capacity applied for is less than 70 gpm, no subsequent increase to 70 gpm or more shall be made without prior approval of the Bureau of Water Systems and Well Permitting. [N.J.A.C. 7:9D-1]
If the use of the well is to be changed a well permit for the proposed use of the well shall be submitted for review and approval. [N.J.A.C. 7:9D-1]
If you or a future property owner intend to redesignate this well as a Category 1 well (domestic, non-public, community water supply or public non-community water supply wells), the well must be constructed as a Category 1 well per the Well Construction and Abandonment Regulations at N.J.A.C. 7:0D-1.1 et seq. In addition, if the current or future property owner intends to have this well redesignated as a community water supply well, the well must be constructed by a Master well driller, which would include having a Master well driller on-site at all times during construction of the well, as specified in the Well Construction and Abandonment Regulations. Otherwise, the New Jersey Department of Environmental Protection will not allow the well to be redesignated, and a new well would have to be installed. [N.J.A.C. 7:9D-1.7((a))1i]
In accepting this permit the Property Owner and Driller agree to abide by the following terms and conditions [N.J.A.C. 7:9D-1]
In the event that this well is not constructed the well driller shall notify the Bureau of Water Systems and Well Permitting of the permit cancellation. Unless prior written approval is obtained from the Bureau of Water Systems and Well Permitting the Cancellation notification shall be submitted electronically through the New Jersey Department of Environmental Protection's Regulatory Services Portal Submit Well Permit Cancellation : by the expiration date of this permit.[N.J.A.C. 7:9D-1]
In the event this well is abandoned, the Owner or Well driller shall assume full responsibility for having the well decommissioned in a manner satisfactory to the New Jersey Department of Environmental Protection in accordance with the provisions of N.J.A.C. 7:9D-1 et seq. [N.J.A.C. 7:9D-1]
The granting of this permit shall not be construed in any way to affect the title or ownership of property, and shall not make the New Jersey Department of Environmental Protection or the State a party in any suit or question of ownership of property. [N.J.A.C. 7:9D-1]
The issuance of this permit shall not be deemed to affect in any way action by the New Jersey Department of Environmental Protection on any future application. [N.J.A.C. 7:9D-1]
This permit conveys no rights, either expressed, or implied to divert water. [N.J.A.C. 7:9D-1]
This permit does not waive the obtaining of Federal or other State or local Government consent when necessary. This permit is not valid and no work shall be undertaken until such time as all other required approvals and permits have been obtained. [N.J.A.C. 7:9D-1]
This permit is NONTRANSFERABLE [N.J.A.C. 7:9D]
This well shall not be used for the supply of potable / drinking water. [N.J.A.C. 7:9D-1]



**MONITORING WELL RECORD**

**PROPERTY OWNER:** CITY OF JERSEY CITY

Company/Organization: City of Jersey City

Address: 280 Grove St Jersey City, New Jersey 07302

**WELL LOCATION:** Roadways

Address: Morris Pesin Drive

County: Hudson

Municipality: Jersey City

Lot: ROW

Block: ROW

Easting (X): 612090 Northing (Y): 680155  
Coordinate System: NJ State Plane (NAD83) - USFEET

**DATE WELL STARTED:** July 6, 2017

**DATE WELL COMPLETED:** July 6, 2017

**WELL USE:** MONITORING

**Other Use(s):** \_\_\_\_\_

**Local ID:** MW-201

**WELL CONSTRUCTION**

Total Depth Drilled (ft.): 10

Finished Well Depth (ft.): 10

Well Surface: Flush Mount

	Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter (inches)	Material	Wgt/Rating/Screen # Used (lbs/ch no.)
Borehole	0	10	8		
Casing	0	5	2	PVC	Sch 40
Screen	5	10	2	PVC	.010

	Depth to Top (ft.)	Depth to Bottom (ft.)	Outer Diameter (in.)	Inner Diameter (in.)	Material		
					Bentonite (lbs.)	Neat Cement (lbs.)	Water (gal.)
Grout	0	3	8	2	15		7.5
Gravel Pack	3	10	8	2	Morie #1		

Grouting Method: Gravity method

Drilling Method: Hollow Stem Augers

**ADDITIONAL INFORMATION**

Protective Casing: No

Static Water Level: 5 ft. below land surface

Water Level Measure Tool: Tape

Well Development Period: .5 hrs.

Method of Development: Submersible

Pump Type: \_\_\_\_\_

Pump Capacity: \_ gpm

Total Design Head: \_ ft.

Drilling Fluid: \_\_\_\_\_

Drill Rig: Geoprobe 7720

Health and Safety Plan Submitted? Yes

**ATTACHMENTS:**

**GEOLOGIC LOG**

0 - .5: Black OT - Other Top soil & Grass

.5 - 8: Brown SM - Silty sands, sand-silt mixtures

8 - 10: Brown OT - Other Meadow Mat

**ADDITIONAL INFORMATION:**

Driller of Record: Carl Farley,  
MONITORING LICENSE # 225877

Company: ENVIRONMENTAL PROBING  
INVESTIGATION



**MONITORING WELL CERTIFICATION FORM A - AS-BUILT  
CERTIFICATION**

Date Stamp  
(For Department use only)

**SECTION A. SITE NAME AND LOCATION**

Site Name: Site 063  
 List all AKAs: Baldwin Oils  
 Street Address: 1 Burma Road  
 Municipality: Jersey City (Township, Borough or City)  
 County: Hudson Zip Code: 07305  
 Program Interest (PI) Number(s): G000008691 Case Tracking Number(s): \_\_\_\_\_

**SECTION B. WELL OWNER AND LOCATION**

1. Name of Well Owner Nisan 12, LLC  
 2. Well Location (Street Address) 1 Burma Road,  
 3. Well Location (Municipal Block and Lot) Block# 21503 Lot # 11

**SECTION C. WELL LOCATION SPECIFICS**

1. Well Permit Number (This number must be permanently affixed to the well casing):.. E201707273  
 2. Site Well Number as shown on application or plans): ..... MW-201  
 3. Well Completion Date: ..... 7/6/17  
 4. Distance from Top of Casing (cap off) to ground surface (nearest 0.01'): ..... 0.5  
 5. Total Depth of Well to the nearest 1/2 foot: ..... 10  
 6. Depth to Top of Screen (or top of open hole) from top of casing (nearest 0.01'):..... 5  
 7. Screen Length (or length of open hole) in feet: ..... 5  
 8. Screen or Slot Size: ..... 0.010  
 9. Screen or Slot Material: ..... PVC  
 10. Casing Material (PVC, steel, or other – specify): ..... PVC  
 11. Casing Diameter (inches): ..... 2  
 12. Static Water Level from top of casing at the time of installation (nearest 0.01'): ..... 5  
 13. Yield (gallons per minute): ..... 2  
 14. Development Technique (specify): ..... Pump and surge  
 15. Length of Time well is developed/pumped or bailed (hours and minutes): ..... 0.5



**New Jersey Department of Environmental Protection**  
**Site Remediation Program**

**Monitoring Well Certification Form B - Location Certification**

Date Stamp  
 (For Department use only)

**SECTION A. SITE NAME AND LOCATION**

Site Name: Nisan 12, LLC  
 List all AKAs: PPG Site 063/065  
 Street Address: 1 Burma Road  
 Municipality: Jersey City (Township, Borough or City)  
 County: Hudson Zip Code: 07305  
 Program Interest (PI) Number(s): G00008691 Case Tracking Number(s): \_\_\_\_\_

**SECTION B. WELL OWNER AND LOCATION**

1. Name of Well Owner City of Jersey City  
 2. Well Location (Street Address) Morris Pesin Drive  
 3. Well Location (Municipal Block and Lot) Block# \_\_\_\_\_ In Road R.O.W. Lot # \_\_\_\_\_ In Road R.O.W.

**SECTION C. WELL LOCATION SPECIFICS**

1. Well Permit Number (This number must be permanently affixed to the well casing): E201707273  
 2. Site Well Number (As shown on application or plans): MW-201  
 3. Geographic Coordinate NAD 83 to nearest 1/100 of a second:  
 Latitude: North 40-41-59.40 Longitude: West 74-04-02.29  
 4. New Jersey State Plane Coordinates NAD 83 datum, US survey feet units, to nearest foot:  
 North 680140 East 612093  
 5. Elevation of Top of Inner Casing (cap off) at reference mark (nearest 0.01'): 8.56  
 Elevation Top of Outer casing: 9.32 Elevation of ground: 9.32  
 Check one:  NAVD 88  NVDG29  On Site Datum  Other  
 6. Source of elevation datum (benchmark, number/description and elevation/datum). If an on-site datum is used, identify here, assume datum of 100', and give approximated actual elevation (referencing NAVD 88).  
GPS observations using KEYNET VRS SYSTEM in NAVD88  
 7. Significant observations and notes:

**SECTION D. LAND SURVEYOR'S CERTIFICATION**

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment.

SEAL

Professional Land Surveyor's Signature: R. Thomas Hugg Date 8/25/17  
 Surveyor's Name: R. Thomas Hugg License Number: 24GS03673700  
 Firm Name: Maser Consulting P.A. Certificate of Authorization #: 24GA27986500  
 Mailing Address 500 Scarborough Drive, Suite 108  
 City/Town: Egg Harbor Twp. State New Jersey Zip Code: 08234  
 Phone Number 609-390-1927 Ext.: 4419 Fax: 609-390-0040



APTIM  
200 Horizon Center  
Trenton, NJ 08691

# WELL NUMBER MW-201

PAGE 1 OF 1

CLIENT PPG  
 PROJECT NUMBER \_\_\_\_\_  
 DATE STARTED 7/6/17 COMPLETED 7/6/17  
 DRILLING CONTRACTOR EPI  
 DRILLING METHOD Track mounted geoprobe  
 LOGGED BY KT CHECKED BY JA  
 NOTES \_\_\_\_\_

PROJECT NAME Site 63/65  
 PROJECT LOCATION 1 Burma Road, Jersey City, New Jersey  
 GROUND ELEVATION 9.32 ft HOLE SIZE 2 inches  
 WATER LEVEL DRILLING 5.00 ft / Elev 3.56 ft

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 5/10/19 08:55 - T:\MORAN\MORAN\PPG - CHROME\SITE 63-65 - REPORTS\2019-05 SITE 63 GROUNDWATER RIR RAW\PIWELL LOGS\PPG SITE 63-65 WELL LOGS.GPJ

DEPTH (ft)	SAMPLE TYPE NUMBER	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM
0.0				Casing Top Elev: 8.56 (ft) Casing Type: flush
			Brown coarse SAND, little medium sub rounded gravel, semi dense, dry	
2.0				6.6
2.5			Black coarse angular FILL, semi dense, dry	
3.0				5.6
			Brown silty SAND, some coarse angular gravel, dense, moist	
5.0				3.6
			Red m-c SAND, dense, wet	
6.0				2.6
			Brown f-m SAND, trace coarse angular gravel, loose, wet	
7.5				
			MEADOW MAT	
9.0				-0.4
10.0				-1.4

Bottom of borehole at 10.0 feet.

**WELL PERMIT**

New Well

The New Jersey Department of Environmental Protection grants this permit in accordance with your application, attachments accompanying same application, and applicable laws and regulations. This permit is also subject to further conditions and stipulations enumerated in the supporting documents which are agreed to by the permittee upon acceptance of the permit

**Certifying Driller:** BRIAN D KOKOT, JOURNEYMAN LICENSE # 0017863

**Permit Issued to:** ENVIRONMENTAL PROBING INVESTIGATION

**Company Address:** 833 MONMOUTH RD CREAM RIDGE, NJ 08514

**PROPERTY OWNER**

Name: CITY OF JERSEY CITY

Organization: City of Jersey City

Address: 280 Grove St

City: Jersey City State: New Jersey Zip Code: 07302

**PROPOSED WELL LOCATION**

Facility Name: Roadways

Address: Burma Road

County: Hudson Municipality: Jersey City Lot: ROW Block: ROW

Easting (X): 612267 Northing (Y): 680276  
Coordinate System: NJ State Plane (NAD83) - USFEET

**Local ID:** MW-202

**SITE CHARACTERISTICS**

**PROPOSED CONSTRUCTION**

**WELL USE:** MONITORING

Other Use(s): \_\_\_\_\_

Diameter (in.): 2

Regulatory Program

Requiring Wells/Borings: \_\_\_\_\_

Depth (ft.): 10

Case ID Number: \_\_\_\_\_

Pump Capacity (gpm): 0

Deviation Requested: N

Drilling Method: Hollow Stem Augers

Attachments: \_\_\_\_\_

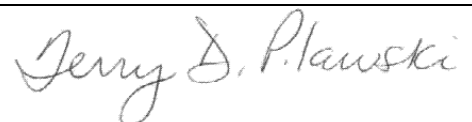
**SPECIFIC CONDITIONS/REQUIREMENTS**

**Approval Date:** June 26, 2017

**Expiration Date:** June 26, 2018

Approved by the authority of:

Bob Martin  
Commissioner



Terry Pilawski, Chief  
Bureau of Water Allocation and Well Permitting

**WELL PERMIT**  
 New Well

<b>DEVIATION INFORMATION</b>	
Purpose:	
Unusual Conditions:	
Reason for Deviation:	
Proposed Well Construction	

<b>GENERAL CONDITIONS/REQUIREMENTS</b>
A copy of this permit shall be kept at the worksite / on the property and shall be exhibited upon request. [N.J.A.C. 7:9D-1]
A well record must be submitted by the well driller to the Bureau of Water Systems and Well Permitting. Unless prior written approval is obtained from the Bureau of Water Systems and Well Permitting the well record shall be submitted electronically through the New Jersey Department of Environmental Protection's Regulatory Services Portal Submit Well Record: within ninety (90) days after the well is completed.[N.J.A.C. 7:9D-1]
All well drilling/pump installation activities shall comply with N.J.A.C. 7:9D-1 et seq. [N.J.A.C. 7:9D-1]
For this permit to remain valid, the well approved in this permit shall be constructed within one year of the effective date of the permit. [N.J.A.C. 7:9D-1]
If the pump capacity applied for is less than 70 gpm, no subsequent increase to 70 gpm or more shall be made without prior approval of the Bureau of Water Systems and Well Permitting. [N.J.A.C. 7:9D-1]
If the use of the well is to be changed a well permit for the proposed use of the well shall be submitted for review and approval. [N.J.A.C. 7:9D-1]
If you or a future property owner intend to redesignate this well as a Category 1 well (domestic, non-public, community water supply or public non-community water supply wells), the well must be constructed as a Category 1 well per the Well Construction and Abandonment Regulations at N.J.A.C. 7:0D-1.1 et seq. In addition, if the current or future property owner intends to have this well redesignated as a community water supply well, the well must be constructed by a Master well driller, which would include having a Master well driller on-site at all times during construction of the well, as specified in the Well Construction and Abandonment Regulations. Otherwise, the New Jersey Department of Environmental Protection will not allow the well to be redesignated, and a new well would have to be installed. [N.J.A.C. 7:9D-1.7((a))1i]
In accepting this permit the Property Owner and Driller agree to abide by the following terms and conditions [N.J.A.C. 7:9D-1]
In the event that this well is not constructed the well driller shall notify the Bureau of Water Systems and Well Permitting of the permit cancellation. Unless prior written approval is obtained from the Bureau of Water Systems and Well Permitting the Cancellation notification shall be submitted electronically through the New Jersey Department of Environmental Protection's Regulatory Services Portal Submit Well Permit Cancellation : by the expiration date of this permit.[N.J.A.C. 7:9D-1]
In the event this well is abandoned, the Owner or Well driller shall assume full responsibility for having the well decommissioned in a manner satisfactory to the New Jersey Department of Environmental Protection in accordance with the provisions of N.J.A.C. 7:9D-1 et seq. [N.J.A.C. 7:9D-1]
The granting of this permit shall not be construed in any way to affect the title or ownership of property, and shall not make the New Jersey Department of Environmental Protection or the State a party in any suit or question of ownership of property. [N.J.A.C. 7:9D-1]
The issuance of this permit shall not be deemed to affect in any way action by the New Jersey Department of Environmental Protection on any future application. [N.J.A.C. 7:9D-1]
This permit conveys no rights, either expressed, or implied to divert water. [N.J.A.C. 7:9D-1]
This permit does not waive the obtaining of Federal or other State or local Government consent when necessary. This permit is not valid and no work shall be undertaken until such time as all other required approvals and permits have been obtained. [N.J.A.C. 7:9D-1]
This permit is NONTRANSFERABLE [N.J.A.C. 7:9D]
This well shall not be used for the supply of potable / drinking water. [N.J.A.C. 7:9D-1]

**MONITORING WELL RECORD**

**PROPERTY OWNER:** CITY OF JERSEY CITY

Company/Organization: City of Jersey City

Address: 280 Grove St Jersey City, New Jersey 07302

**WELL LOCATION:** Roadways

Address: Burma Road

County: Hudson

Municipality: Jersey City

Lot: ROW

Block: ROW

Easting (X): 612278 Northing (Y): 680282  
 Coordinate System: NJ State Plane (NAD83) - USFEET

**DATE WELL STARTED:** July 5, 2017

**DATE WELL COMPLETED:** July 5, 2017

**WELL USE:** MONITORING

**Other Use(s):** \_\_\_\_\_

**Local ID:** MW-202

**WELL CONSTRUCTION**

Total Depth Drilled (ft.): 11

Finished Well Depth (ft.): 11

Well Surface: Flush Mount

	Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter (inches)	Material	Wgt/Rating/Screen # Used (lbs/ch no.)
Borehole	0	11	8		
Casing	0	6	2	PVC	Sch 40
Screen	6	11	2	PVC	.010

	Depth to Top (ft.)	Depth to Bottom (ft.)	Outer Diameter (in.)	Inner Diameter (in.)	Material		
					Bentonite (lbs.)	Neat Cement (lbs.)	Water (gal.)
Grout	0	4	8	2	20		10
Gravel Pack	4	11	8	2	Morie #1		

Grouting Method: Gravity method

Drilling Method: Hollow Stem Augers

**ADDITIONAL INFORMATION**

Protective Casing: No

Static Water Level: 4 ft. below land surface

Water Level Measure Tool: Tap

Well Development Period: .5 hrs.

Method of Development: Submersible

Pump Type: \_\_\_\_\_

Pump Capacity: \_ gpm

Total Design Head: \_ ft.

Drilling Fluid: \_\_\_\_\_

Drill Rig: Geoprobe 7720

Health and Safety Plan Submitted? Yes

**ATTACHMENTS:**

**GEOLOGIC LOG**

0 - 1.5: Balck OT - Other Asphalt

1.5 - 5: Brown SM - Silty sands, sand-silt mixtures

5 - 10: Black SM - Silty sands, sand-silt mixtures

10 - 11: Brown OT - Other Meadow Mat

**ADDITIONAL INFORMATION:**

Driller of Record: Carl Farley,  
MONITORING LICENSE # 225877

Company: ENVIRONMENTAL PROBING  
INVESTIGATION



**MONITORING WELL CERTIFICATION FORM A - AS-BUILT  
CERTIFICATION**

Date Stamp  
(For Department use only)

**SECTION A. SITE NAME AND LOCATION**

Site Name: Site 063

List all AKAs: Baldwin Oils

Street Address: 1 Burma Road

Municipality: Jersey City (Township, Borough or City)

County: Hudson Zip Code: 07305

Program Interest (PI) Number(s): G000008691 Case Tracking Number(s): \_\_\_\_\_

**SECTION B. WELL OWNER AND LOCATION**

1. Name of Well Owner Nisan 12, LLC

2. Well Location (Street Address) 1 Burma Road,

3. Well Location (Municipal Block and Lot) Block# 21503 Lot # 11

**SECTION C. WELL LOCATION SPECIFICS**

1. Well Permit Number (This number must be permanently affixed to the well casing):.. E201707274

2. Site Well Number as shown on application or plans): ..... MW-202

3. Well Completion Date: ..... 7/5/17

4. Distance from Top of Casing (cap off) to ground surface (nearest 0.01'): ..... 0.5

5. Total Depth of Well to the nearest 1/2 foot: ..... 11

6. Depth to Top of Screen (or top of open hole) from top of casing (nearest 0.01'):..... 6

7. Screen Length (or length of open hole) in feet: ..... 5

8. Screen or Slot Size: ..... 0.010

9. Screen or Slot Material: ..... PVC

10. Casing Material (PVC, steel, or other – specify): ..... PVC

11. Casing Diameter (inches): ..... 2

12. Static Water Level from top of casing at the time of installation (nearest 0.01'): ..... 5

13. Yield (gallons per minute): ..... 2

14. Development Technique (specify): ..... Pump and surge

15. Length of Time well is developed/pumped or bailed (hours and minutes): ..... 0.5





**New Jersey Department of Environmental Protection  
Site Remediation Program**

**Monitoring Well Certification Form B - Location Certification**

Date Stamp  
(For Department use only)

**SECTION A. SITE NAME AND LOCATION**

Site Name: Nisan 12, LLC  
 List all AKAs: PPG Site 063/065  
 Street Address: 1 Burma Road  
 Municipality: Jersey City (Township, Borough or City)  
 County: Hudson Zip Code: 07305  
 Program Interest (PI) Number(s): G00008691 Case Tracking Number(s): \_\_\_\_\_

**SECTION B. WELL OWNER AND LOCATION**

1. Name of Well Owner City of Jersey City  
 2. Well Location (Street Address) Burma Road  
 3. Well Location (Municipal Block and Lot) Block# \_\_\_\_\_ In Road R.O.W. Lot # \_\_\_\_\_ In Road R.O.W.

**SECTION C. WELL LOCATION SPECIFICS**

1. Well Permit Number (This number must be permanently affixed to the well casing): E201707274  
 2. Site Well Number (As shown on application or plans): MW-202  
 3. Geographic Coordinate NAD 83 to nearest 1/100 of a second:  
 Latitude: North 40-42-00.82 Longitude: West 74-03-59.84  
 4. New Jersey State Plane Coordinates NAD 83 datum, US survey feet units, to nearest foot:  
 North 680284 East 612280  
 5. Elevation of Top of Inner Casing (cap off) at reference mark (nearest 0.01'): 8.03  
 Elevation Top of Outer casing: 8.29 Elevation of ground: 8.31  
 Check one:  NAVD 88  NVDG29  On Site Datum  Other  
 6. Source of elevation datum (benchmark, number/description and elevation/datum). If an on-site datum is used, identify here, assume datum of 100', and give approximated actual elevation (referencing NAVD 88).  
GPS observations using KEYNET VRS SYSTEM in NAVD88  
 7. Significant observations and notes:

**SECTION D. LAND SURVEYOR'S CERTIFICATION**

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment.

SEAL

Professional Land Surveyor's Signature: R. Thomas Hugg Date 8/25/17  
 Surveyor's Name: R. Thomas Hugg License Number: 24GS03673700  
 Firm Name: Maser Consulting P.A. Certificate of Authorization #: 24GA27986500  
 Mailing Address 500 Scarborough Drive, Suite 108  
 City/Town: Egg Harbor Twp. State New Jersey Zip Code: 08234  
 Phone Number 609-390-1927 Ext.: 4419 Fax: 609-390-0040



APTIM  
200 Horizon Center  
Trenton, NJ 08691

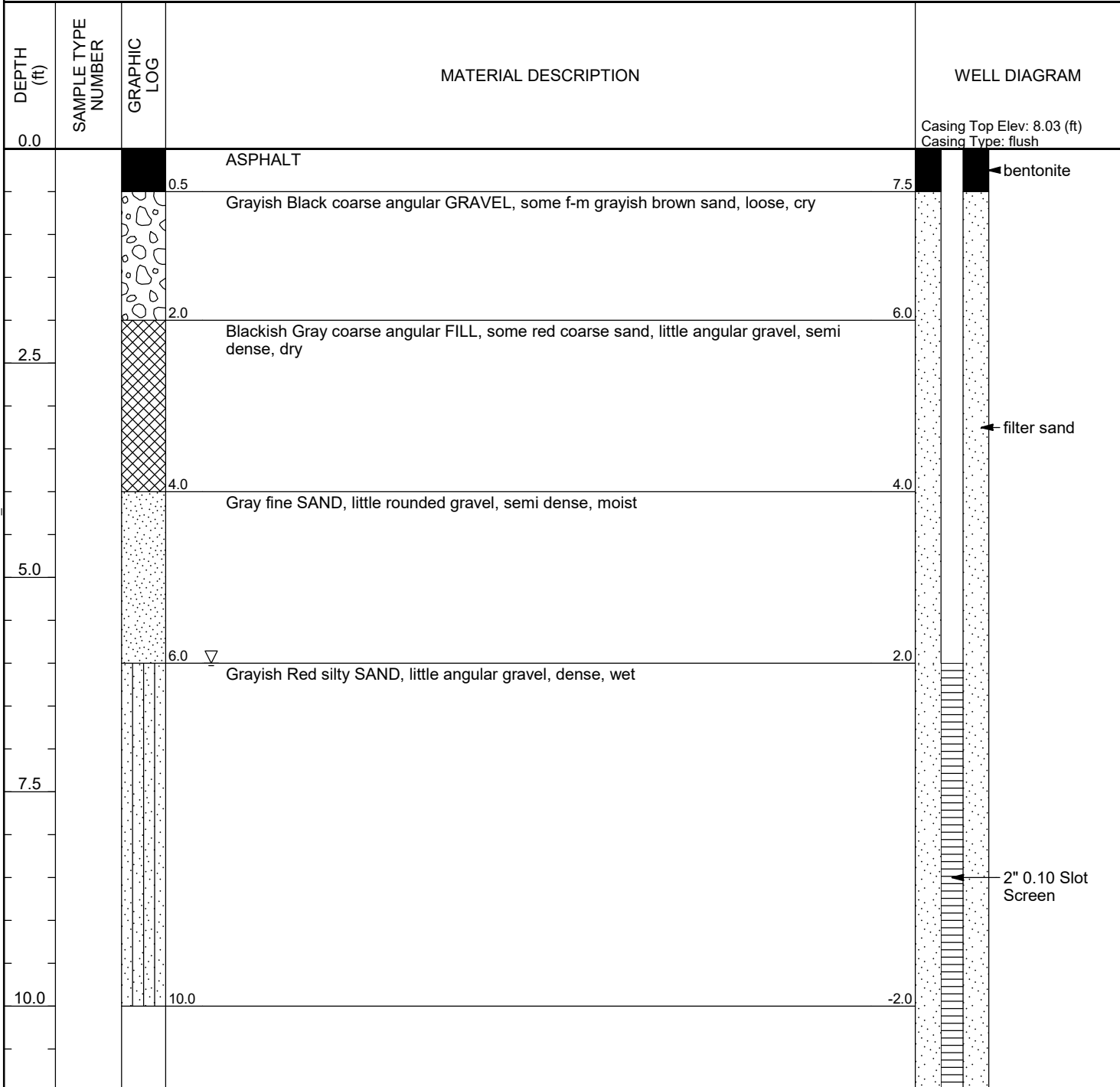
# WELL NUMBER MW-202

PAGE 1 OF 1

CLIENT PPG  
 PROJECT NUMBER \_\_\_\_\_  
 DATE STARTED 7/5/17 COMPLETED 7/5/17  
 DRILLING CONTRACTOR EPI  
 DRILLING METHOD Track mounted geoprobe  
 LOGGED BY KT CHECKED BY JA  
 NOTES \_\_\_\_\_

PROJECT NAME Site 63/65  
 PROJECT LOCATION 1 Burma Road, Jersey City, New Jersey  
 GROUND ELEVATION 8.31 ft HOLE SIZE 2 inches  
 WATER LEVEL DRILLING 6.00 ft / Elev 2.03 ft

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 5/10/19 08:55 - T:\MORAN\MORAN\PPG - CHROME\SITE 63-65 - REPORTS\2019-05 SITE 63 GROUNDWATER RIR RAW\PIWELL LOGS\PPG SITE 63-65 WELL LOGS.GPJ



Bottom of borehole at 11.0 feet.

**WELL PERMIT**

New Well

The New Jersey Department of Environmental Protection grants this permit in accordance with your application, attachments accompanying same application, and applicable laws and regulations. This permit is also subject to further conditions and stipulations enumerated in the supporting documents which are agreed to by the permittee upon acceptance of the permit

**Certifying Driller:** BRIAN D KOKOT, JOURNEYMAN LICENSE # 0017863

**Permit Issued to:** ENVIRONMENTAL PROBING INVESTIGATION

**Company Address:** 833 MONMOUTH RD CREAM RIDGE, NJ 08514

**PROPERTY OWNER**

Name: CITY OF JERSEY CITY

Organization: City of Jersey City

Address: 280 Grove St

City: Jersey City

State: New Jersey

Zip Code: 07302

**PROPOSED WELL LOCATION**

Facility Name: Roadways

Address: Burma Road ROW

County: Hudson

Municipality: Jersey City

Lot: ROW

Block: ROW

Easting (X): 612253 Northing (Y): 680192

**Local ID:** MW-301

Coordinate System: NJ State Plane (NAD83) - USFEET

**SITE CHARACTERISTICS**

**PROPOSED CONSTRUCTION**

**WELL USE:** MONITORING

Other Use(s): \_\_\_\_\_

Diameter (in.): 2

Regulatory Program

Requiring Wells/Borings: \_\_\_\_\_

Depth (ft.): 10

Case ID Number: \_\_\_\_\_

Pump Capacity (gpm): 0

Deviation Requested: N

Drilling Method: Hollow Stem Augers

Attachments: \_\_\_\_\_

**SPECIFIC CONDITIONS/REQUIREMENTS**

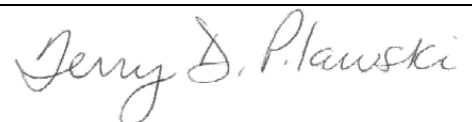
**Approval Date:** December 13, 2017

**Expiration Date:** December 13, 2018

Approved by the authority of:

Bob Martin

Commissioner



Terry Pilawski, Chief  
Bureau of Water Allocation and Well Permitting

**WELL PERMIT**  
 New Well

<b>DEVIATION INFORMATION</b>	
Purpose:	
Unusual Conditions:	
Reason for Deviation:	
Proposed Well Construction	

<b>GENERAL CONDITIONS/REQUIREMENTS</b>
A copy of this permit shall be kept at the worksite / on the property and shall be exhibited upon request. [N.J.A.C. 7:9D-1]
A well record must be submitted by the well driller to the Bureau of Water Systems and Well Permitting. Unless prior written approval is obtained from the Bureau of Water Systems and Well Permitting the well record shall be submitted electronically through the New Jersey Department of Environmental Protection's Regulatory Services Portal Submit Well Record: within ninety (90) days after the well is completed.[N.J.A.C. 7:9D-1]
All well drilling/pump installation activities shall comply with N.J.A.C. 7:9D-1 et seq. [N.J.A.C. 7:9D-1]
For this permit to remain valid, the well approved in this permit shall be constructed within one year of the effective date of the permit. [N.J.A.C. 7:9D-1]
If the pump capacity applied for is less than 70 gpm, no subsequent increase to 70 gpm or more shall be made without prior approval of the Bureau of Water Systems and Well Permitting. [N.J.A.C. 7:9D-1]
If the use of the well is to be changed a well permit for the proposed use of the well shall be submitted for review and approval. [N.J.A.C. 7:9D-1]
If you or a future property owner intend to redesignate this well as a Category 1 well (domestic, non-public, community water supply or public non-community water supply wells), the well must be constructed as a Category 1 well per the Well Construction and Abandonment Regulations at N.J.A.C. 7:0D-1.1 et seq. In addition, if the current or future property owner intends to have this well redesignated as a community water supply well, the well must be constructed by a Master well driller, which would include having a Master well driller on-site at all times during construction of the well, as specified in the Well Construction and Abandonment Regulations. Otherwise, the New Jersey Department of Environmental Protection will not allow the well to be redesignated, and a new well would have to be installed. [N.J.A.C. 7:9D-1.7((a))1i]
In accepting this permit the Property Owner and Driller agree to abide by the following terms and conditions [N.J.A.C. 7:9D-1]
In the event that this well is not constructed the well driller shall notify the Bureau of Water Systems and Well Permitting of the permit cancellation. Unless prior written approval is obtained from the Bureau of Water Systems and Well Permitting the Cancellation notification shall be submitted electronically through the New Jersey Department of Environmental Protection's Regulatory Services Portal Submit Well Permit Cancellation : by the expiration date of this permit.[N.J.A.C. 7:9D-1]
In the event this well is abandoned, the Owner or Well driller shall assume full responsibility for having the well decommissioned in a manner satisfactory to the New Jersey Department of Environmental Protection in accordance with the provisions of N.J.A.C. 7:9D-1 et seq. [N.J.A.C. 7:9D-1]
The granting of this permit shall not be construed in any way to affect the title or ownership of property, and shall not make the New Jersey Department of Environmental Protection or the State a party in any suit or question of ownership of property. [N.J.A.C. 7:9D-1]
The issuance of this permit shall not be deemed to affect in any way action by the New Jersey Department of Environmental Protection on any future application. [N.J.A.C. 7:9D-1]
This permit conveys no rights, either expressed, or implied to divert water. [N.J.A.C. 7:9D-1]
This permit does not waive the obtaining of Federal or other State or local Government consent when necessary. This permit is not valid and no work shall be undertaken until such time as all other required approvals and permits have been obtained. [N.J.A.C. 7:9D-1]
This permit is NONTRANSFERABLE [N.J.A.C. 7:9D]
This well shall not be used for the supply of potable / drinking water. [N.J.A.C. 7:9D-1]

**MONITORING WELL RECORD**

**PROPERTY OWNER:** CITY OF JERSEY CITY

Company/Organization: City of Jersey City

Address: 280 Grove St Jersey City, New Jersey 07302

**WELL LOCATION:** Roadways

Address: Burma Road ROW

County: Hudson Municipality: Jersey City Lot: ROW Block: ROW

Easting (X): <u>612253</u> Northing (Y): <u>680192</u> Coordinate System: <u>NJ State Plane (NAD83) - USFEET</u>
---

**DATE WELL STARTED:** December 22, 2017  
**DATE WELL COMPLETED:** December 22, 2017

**WELL USE:** MONITORING

**Other Use(s):** \_\_\_\_\_ **Local ID:** MW-301

**WELL CONSTRUCTION**

Total Depth Drilled (ft.): 10 Finished Well Depth (ft.): 10 Well Surface: Flush Mount

	Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter (inches)	Material	Wgt/Rating/Screen # Used (lbs/ch no.)
Borehole	0	10	8		
Casing	0	5	2	PVC	Sch 40
Screen	5	10	2	PVC	Sch 40 pre-pack

	Depth to Top (ft.)	Depth to Bottom (ft.)	Outer Diameter (in.)	Inner Diameter (in.)	Material		
					Bentonite (lbs.)	Neat Cement (lbs.)	Water (gal.)
Grout	0	3	8	2	15		7.5
Gravel Pack	3	10	8	2	Morie #1		

Grouting Method: Gravity method Drilling Method: Hollow Stem Augers

**ADDITIONAL INFORMATION**

Protective Casing: No  
 Static Water Level: 5 ft. below land surface  
 Water Level Measure Tool: Tape  
 Well Development Period: .5 hrs.  
 Method of Development: Submersible  
 Pump Type:

Pump Capacity: \_ gpm  
 Total Design Head: \_ ft.  
 Drilling Fluid:  
 Drill Rig: Geoprobe 7822  
 Health and Safety Plan Submitted? Yes

**ATTACHMENTS:**

<b>GEOLOGIC LOG</b>
0 - 10: Brown SM - Silty sands, sand-silt mixtures

**ADDITIONAL INFORMATION:**

Driller of Record: Jeremy Wilkins, MONITORING LICENSE # 763199

Company: ENVIRONMENTAL PROBING INVESTIGATION



**New Jersey Department of Environmental Protection**  
Site Remediation Program

**MONITORING WELL CERTIFICATION FORM A - AS-BUILT CERTIFICATION**

Date Stamp  
(For Department use only)

**SECTION A. SITE NAME AND LOCATION**

Site Name: Site 063

List all AKAs: Baldwin Oils

Street Address: 1 Burma Road

Municipality: Jersey City (Township, Borough or City)

County: Hudson Zip Code: 07305

Program Interest (PI) Number(s): G000008691 Case Tracking Number(s): \_\_\_\_\_

**SECTION B. WELL OWNER AND LOCATION**

1. Name of Well Owner City of Jersey City

2. Well Location (Street Address) Burma Road ROW

3. Well Location (Municipal Block and Lot) Block# ROW Lot # ROW

**SECTION C. WELL LOCATION SPECIFICS**

1. Well Permit Number (This number must be permanently affixed to the well casing):.. E201714023

2. Site Well Number as shown on application or plans): ..... MW-301

3. Well Completion Date: ..... 12/22/2017

4. Distance from Top of Casing (cap off) to ground surface (nearest 0.01'): ..... -0.5

5. Total Depth of Well to the nearest 1/2 foot: ..... 10

6. Depth to Top of Screen (or top of open hole) from top of casing (nearest 0.01'):..... 5

7. Screen Length (or length of open hole) in feet: ..... 5

8. Screen or Slot Size: ..... 0.010

9. Screen or Slot Material: ..... PVC

10. Casing Material (PVC, steel, or other – specify): ..... PVC

11. Casing Diameter (inches): ..... 2

12. Static Water Level from top of casing at the time of installation (nearest 0.01'): ..... 5

13. Yield (gallons per minute): ..... 2

14. Development Technique (specify): ..... Pump and surge

15. Length of Time well is developed/pumped or bailed (hours and minutes): ..... 0.5



**New Jersey Department of Environmental Protection**  
 Site Remediation Program

**Monitoring Well Certification Form B - Location Certification**

Date Stamp  
 (For Department use only)

**SECTION A. SITE NAME AND LOCATION**

Site Name: Hudson County Chrome Site 63  
 List all AKAs: Baldwin Oils  
 Street Address: 1 Burma Road  
 Municipality: Jersey City (Township, Borough or City)  
 County: Hudson Zip Code: 07305  
 Program Interest (PI) Number(s): G00008691 Case Tracking Number(s): \_\_\_\_\_

**SECTION B. WELL OWNER AND LOCATION**

1. Name of Well Owner City of Jersey City  
 2. Well Location (Street Address) Burma Road  
 3. Well Location (Municipal Block and Lot) Block#            In Road R.O.W.            Lot #            In Road R.O.W.           

**SECTION C. WELL LOCATION SPECIFICS**

1. Well Permit Number (This number must be permanently affixed to the well casing): E201714023  
 2. Site Well Number (As shown on application or plans): MW-301  
 3. Geographic Coordinate NAD 83 to nearest 1/100 of a second:  
 Latitude: North 40-42-01.02 Longitude: West 74-03-59.10  
 4. New Jersey State Plane Coordinates NAD 83 datum, US survey feet units, to nearest foot:  
 North 680305 East 612337  
 5. Elevation of Top of Inner Casing (cap off) at reference mark (nearest 0.01'): 7.93  
 Elevation Top of Outer casing: 8.41 Elevation of ground: 8.43  
 Check one:  NAVD 88  NVGD29  On Site Datum  Other  
 6. Source of elevation datum (benchmark, number/description and elevation/datum). If an on-site datum is used, identify here, assume datum of 100', and give approximated actual elevation (referencing NAVD 88).  
GPS observations using KEYNET VRS SYSTEM in NAVD88  
 7. Significant observations and notes:

**SECTION D. LAND SURVEYOR'S CERTIFICATION**

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment.

SEAL

Professional Land Surveyor's Signature: \_\_\_\_\_ Date \_\_\_\_\_  
 Surveyor's Name: R. Thomas Hugg License Number: 24GS03673700  
 Firm Name: Maser Consulting P.A. Certificate of Authorization #: 24GA27986500  
 Mailing Address 500 Scarborough Drive, Suite 108  
 City/Town: Egg Harbor Twp. State New Jersey Zip Code: 08234  
 Phone Number 609-910-4068 Ext.: 4419 Fax: 609-390-0040



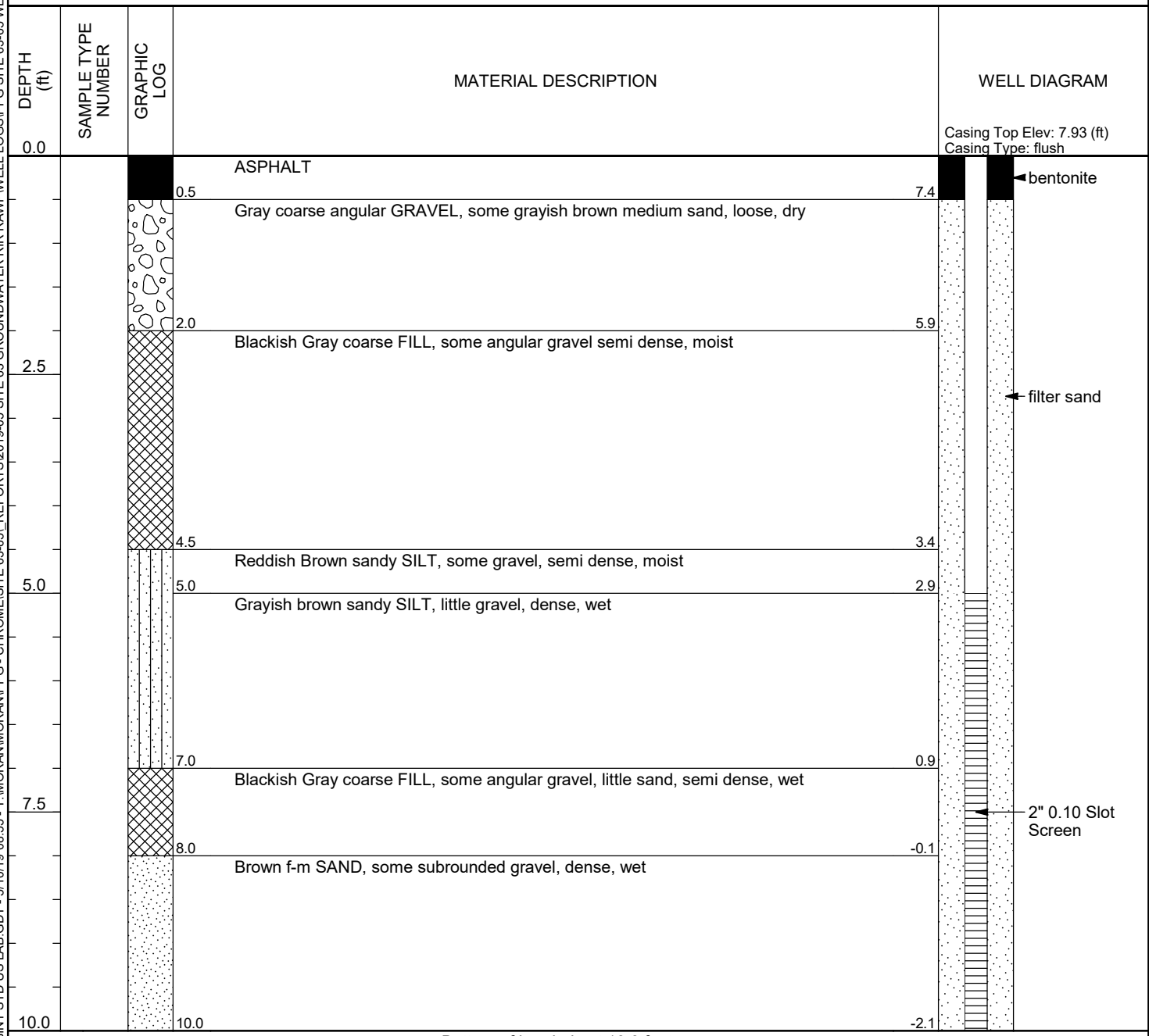
APTIM  
200 Horizon Center  
Trenton, NJ 08691

# WELL NUMBER MW-301

PAGE 1 OF 1

CLIENT PPG PROJECT NAME Site 63/65  
 PROJECT NUMBER \_\_\_\_\_ PROJECT LOCATION 1 Burma Road, Jersey City, New Jersey  
 DATE STARTED 12/22/17 COMPLETED 12/22/17 GROUND ELEVATION 8.43 ft HOLE SIZE 2 inches  
 DRILLING CONTRACTOR EPI WATER LEVEL DRILLING ---  
 DRILLING METHOD Track mounted geoprobe  
 LOGGED BY KT CHECKED BY JA  
 NOTES \_\_\_\_\_

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 5/10/19 08:55 - T:\MORAN\MORAN\PPG - CHROME\SITE 63-65 - REPORTS\2019-05 SITE 63 GROUNDWATER RIR RAW\PIWELL LOGS\PPG SITE 63-65 WELL LOGS.GPJ



Bottom of borehole at 10.0 feet.



**WELL PERMIT**

New Well

The New Jersey Department of Environmental Protection grants this permit in accordance with your application, attachments accompanying same application, and applicable laws and regulations. This permit is also subject to further conditions and stipulations enumerated in the supporting documents which are agreed to by the permittee upon acceptance of the permit

**Certifying Driller:** BRIAN D KOKOT, JOURNEYMAN LICENSE # 0017863

**Permit Issued to:** ENVIRONMENTAL PROBING INVESTIGATION

**Company Address:** 833 MONMOUTH RD CREAM RIDGE, NJ 08514

**PROPERTY OWNER**

Name: CITY OF JERSEY CITY

Organization: City of Jersey City

Address: 280 Grove St

City: Jersey City State: New Jersey Zip Code: 07302

**PROPOSED WELL LOCATION**

Facility Name: Roadways

Address: Morris Pesin Drive ROW

County: Hudson Municipality: Jersey City Lot: ROW Block: ROW

Easting (X): 612209 Northing (Y): 680089  
Coordinate System: NJ State Plane (NAD83) - USFEET

**Local ID:** MW-302

**SITE CHARACTERISTICS**

**PROPOSED CONSTRUCTION**

**WELL USE:** MONITORING

Other Use(s): \_\_\_\_\_

Diameter (in.): 2

Regulatory Program

Requiring Wells/Borings: \_\_\_\_\_

Depth (ft.): 10

Case ID Number: \_\_\_\_\_

Pump Capacity (gpm): 0

Deviation Requested: N

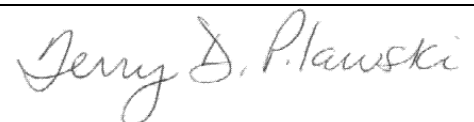
Drilling Method: Hollow Stem Augers

Attachments: \_\_\_\_\_

**SPECIFIC CONDITIONS/REQUIREMENTS**

**Approval Date:** December 13, 2017  
**Expiration Date:** December 13, 2018

Approved by the authority of:  
Bob Martin  
Commissioner



Terry Pilawski, Chief  
Bureau of Water Allocation and Well Permitting

**WELL PERMIT**  
 New Well

<b>DEVIATION INFORMATION</b>	
Purpose:	
Unusual Conditions:	
Reason for Deviation:	
Proposed Well Construction	

<b>GENERAL CONDITIONS/REQUIREMENTS</b>
A copy of this permit shall be kept at the worksite / on the property and shall be exhibited upon request. [N.J.A.C. 7:9D-1]
A well record must be submitted by the well driller to the Bureau of Water Systems and Well Permitting. Unless prior written approval is obtained from the Bureau of Water Systems and Well Permitting the well record shall be submitted electronically through the New Jersey Department of Environmental Protection's Regulatory Services Portal Submit Well Record: within ninety (90) days after the well is completed.[N.J.A.C. 7:9D-1]
All well drilling/pump installation activities shall comply with N.J.A.C. 7:9D-1 et seq. [N.J.A.C. 7:9D-1]
For this permit to remain valid, the well approved in this permit shall be constructed within one year of the effective date of the permit. [N.J.A.C. 7:9D-1]
If the pump capacity applied for is less than 70 gpm, no subsequent increase to 70 gpm or more shall be made without prior approval of the Bureau of Water Systems and Well Permitting. [N.J.A.C. 7:9D-1]
If the use of the well is to be changed a well permit for the proposed use of the well shall be submitted for review and approval. [N.J.A.C. 7:9D-1]
If you or a future property owner intend to redesignate this well as a Category 1 well (domestic, non-public, community water supply or public non-community water supply wells), the well must be constructed as a Category 1 well per the Well Construction and Abandonment Regulations at N.J.A.C. 7:0D-1.1 et seq. In addition, if the current or future property owner intends to have this well redesignated as a community water supply well, the well must be constructed by a Master well driller, which would include having a Master well driller on-site at all times during construction of the well, as specified in the Well Construction and Abandonment Regulations. Otherwise, the New Jersey Department of Environmental Protection will not allow the well to be redesignated, and a new well would have to be installed. [N.J.A.C. 7:9D-1.7((a))1i]
In accepting this permit the Property Owner and Driller agree to abide by the following terms and conditions [N.J.A.C. 7:9D-1]
In the event that this well is not constructed the well driller shall notify the Bureau of Water Systems and Well Permitting of the permit cancellation. Unless prior written approval is obtained from the Bureau of Water Systems and Well Permitting the Cancellation notification shall be submitted electronically through the New Jersey Department of Environmental Protection's Regulatory Services Portal Submit Well Permit Cancellation : by the expiration date of this permit.[N.J.A.C. 7:9D-1]
In the event this well is abandoned, the Owner or Well driller shall assume full responsibility for having the well decommissioned in a manner satisfactory to the New Jersey Department of Environmental Protection in accordance with the provisions of N.J.A.C. 7:9D-1 et seq. [N.J.A.C. 7:9D-1]
The granting of this permit shall not be construed in any way to affect the title or ownership of property, and shall not make the New Jersey Department of Environmental Protection or the State a party in any suit or question of ownership of property. [N.J.A.C. 7:9D-1]
The issuance of this permit shall not be deemed to affect in any way action by the New Jersey Department of Environmental Protection on any future application. [N.J.A.C. 7:9D-1]
This permit conveys no rights, either expressed, or implied to divert water. [N.J.A.C. 7:9D-1]
This permit does not waive the obtaining of Federal or other State or local Government consent when necessary. This permit is not valid and no work shall be undertaken until such time as all other required approvals and permits have been obtained. [N.J.A.C. 7:9D-1]
This permit is NONTRANSFERABLE [N.J.A.C. 7:9D]
This well shall not be used for the supply of potable / drinking water. [N.J.A.C. 7:9D-1]

**MONITORING WELL RECORD**

**PROPERTY OWNER:** CITY OF JERSEY CITY

Company/Organization: City of Jersey City

Address: 280 Grove St Jersey City, New Jersey 07302

**WELL LOCATION:** Roadways

Address: Morris Pesin Drive ROW

County: Hudson Municipality: Jersey City Lot: ROW Block: ROW

Easting (X): <u>612209</u> Northing (Y): <u>680089</u> Coordinate System: <u>NJ State Plane (NAD83) - USFEET</u>
---

**DATE WELL STARTED:** December 22, 2017  
**DATE WELL COMPLETED:** December 22, 2017

**WELL USE:** MONITORING

**Other Use(s):** \_\_\_\_\_ **Local ID:** MW-302

**WELL CONSTRUCTION**

Total Depth Drilled (ft.): 10 Finished Well Depth (ft.): 10 Well Surface: Flush Mount

	Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter (inches)	Material	Wgt/Rating/Screen # Used (lbs/ch no.)
Borehole	0	10	8		
Casing	0	5	2	PVC	Sch 40
Screen	5	10	2	PVC	Sch 40 pre-pack

	Depth to Top (ft.)	Depth to Bottom (ft.)	Outer Diameter (in.)	Inner Diameter (in.)	Material		
					Bentonite (lbs.)	Neat Cement (lbs.)	Water (gal.)
Grout	0	3	8	2	15		7.5
Gravel Pack	3	10	8	2	Morie #1		

Grouting Method: Gravity method Drilling Method: Hollow Stem Augers

**ADDITIONAL INFORMATION**

Protective Casing: No  
 Static Water Level: 5 ft. below land surface  
 Water Level Measure Tool: Tape  
 Well Development Period: .5 hrs.  
 Method of Development: Submersible  
 Pump Type:

Pump Capacity: \_ gpm  
 Total Design Head: \_ ft.  
 Drilling Fluid:  
 Drill Rig: Geoprobe 7822  
 Health and Safety Plan Submitted? Yes

**ATTACHMENTS:**

**GEOLOGIC LOG**

0 - 10: Brown SM - Silty sands, sand-silt mixtures

**ADDITIONAL INFORMATION:**

Driller of Record: Jeremy Wilkins, MONITORING LICENSE # 763199

Company: ENVIRONMENTAL PROBING INVESTIGATION



**New Jersey Department of Environmental Protection**  
 Site Remediation Program

**MONITORING WELL CERTIFICATION FORM A - AS-BUILT  
 CERTIFICATION**

Date Stamp  
 (For Department use only)

**SECTION A. SITE NAME AND LOCATION**

Site Name: Site 063  
 List all AKAs: Baldwin Oils  
 Street Address: 1 Burma Road  
 Municipality: Jersey City (Township, Borough or City)  
 County: Hudson Zip Code: 07305  
 Program Interest (PI) Number(s): G000008691 Case Tracking Number(s): \_\_\_\_\_

**SECTION B. WELL OWNER AND LOCATION**

1. Name of Well Owner City of Jersey City  
 2. Well Location (Street Address) Burma Road ROW  
 3. Well Location (Municipal Block and Lot) Block# ROW Lot # ROW

**SECTION C. WELL LOCATION SPECIFICS**

1. Well Permit Number (This number must be permanently affixed to the well casing):.. E201714024  
 2. Site Well Number as shown on application or plans): ..... MW-302  
 3. Well Completion Date: ..... 12/22/2017  
 4. Distance from Top of Casing (cap off) to ground surface (nearest 0.01'): ..... -0.37  
 5. Total Depth of Well to the nearest 1/2 foot: ..... 10  
 6. Depth to Top of Screen (or top of open hole) from top of casing (nearest 0.01'):..... 5  
 7. Screen Length (or length of open hole) in feet: ..... 5  
 8. Screen or Slot Size: ..... 0.010  
 9. Screen or Slot Material: ..... PVC  
 10. Casing Material (PVC, steel, or other – specify): ..... PVC  
 11. Casing Diameter (inches): ..... 2  
 12. Static Water Level from top of casing at the time of installation (nearest 0.01'): ..... 5  
 13. Yield (gallons per minute): ..... 2  
 14. Development Technique (specify): ..... Pump and surge  
 15. Length of Time well is developed/pumped or bailed (hours and minutes): ..... 0.5



**New Jersey Department of Environmental Protection**  
**Site Remediation Program**

**Monitoring Well Certification Form B - Location Certification**

Date Stamp  
 (For Department use only)

**SECTION A. SITE NAME AND LOCATION**

Site Name: Hudson County Chrome Site 63  
 List all AKAs: Baldwin Oils  
 Street Address: 1 Burma Road  
 Municipality: Jersey City (Township, Borough or City)  
 County: Hudson Zip Code: 07305  
 Program Interest (PI) Number(s): G00008691 Case Tracking Number(s): \_\_\_\_\_

**SECTION B. WELL OWNER AND LOCATION**

1. Name of Well Owner City of Jersey City  
 2. Well Location (Street Address) Burma Road  
 3. Well Location (Municipal Block and Lot) Block# \_\_\_\_\_ In Road R.O.W. \_\_\_\_\_ Lot # \_\_\_\_\_ In Road R.O.W. \_\_\_\_\_

**SECTION C. WELL LOCATION SPECIFICS**

1. Well Permit Number (This number must be permanently affixed to the well casing): E201714024  
 2. Site Well Number (As shown on application or plans): MW-302  
 3. Geographic Coordinate NAD 83 to nearest 1/100 of a second:  
 Latitude: North 40-42-00.37 Longitude: West 74-03-59.74  
 4. New Jersey State Plane Coordinates NAD 83 datum, US survey feet units, to nearest foot:  
 North 680239 East 612289  
 5. Elevation of Top of Inner Casing (cap off) at reference mark (nearest 0.01'): 7.95  
 Elevation Top of Outer casing: 8.34 Elevation of ground: 8.32  
 Check one:  NAVD 88  NVGD29  On Site Datum  Other  
 6. Source of elevation datum (benchmark, number/description and elevation/datum). If an on-site datum is used, identify here, assume datum of 100', and give approximated actual elevation (referencing NAVD 88).  
GPS observations using KEYNET VRS SYSTEM in NAVD88  
 7. Significant observations and notes:

**SECTION D. LAND SURVEYOR'S CERTIFICATION**

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment.

SEAL

Professional Land Surveyor's Signature: \_\_\_\_\_ Date \_\_\_\_\_  
 Surveyor's Name: R. Thomas Hugg License Number: 24GS03673700  
 Firm Name: Maser Consulting P.A. Certificate of Authorization #: 24GA27986500  
 Mailing Address 500 Scarborough Drive, Suite 108  
 City/Town: Egg Harbor Twp. State New Jersey Zip Code: 08234  
 Phone Number 609-910-4068 Ext.: 4419 Fax: 609-390-0040



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Trenton, NJ 08691

# WELL NUMBER MW-302

PAGE 1 OF 1

CLIENT PPG

PROJECT NAME Site 63/65

PROJECT NUMBER \_\_\_\_\_

PROJECT LOCATION 1 Burma Road, Jersey City, New Jersey

DATE STARTED 12/22/17 COMPLETED 12/22/17

GROUND ELEVATION 8.32 ft HOLE SIZE 2 inches

DRILLING CONTRACTOR EPI

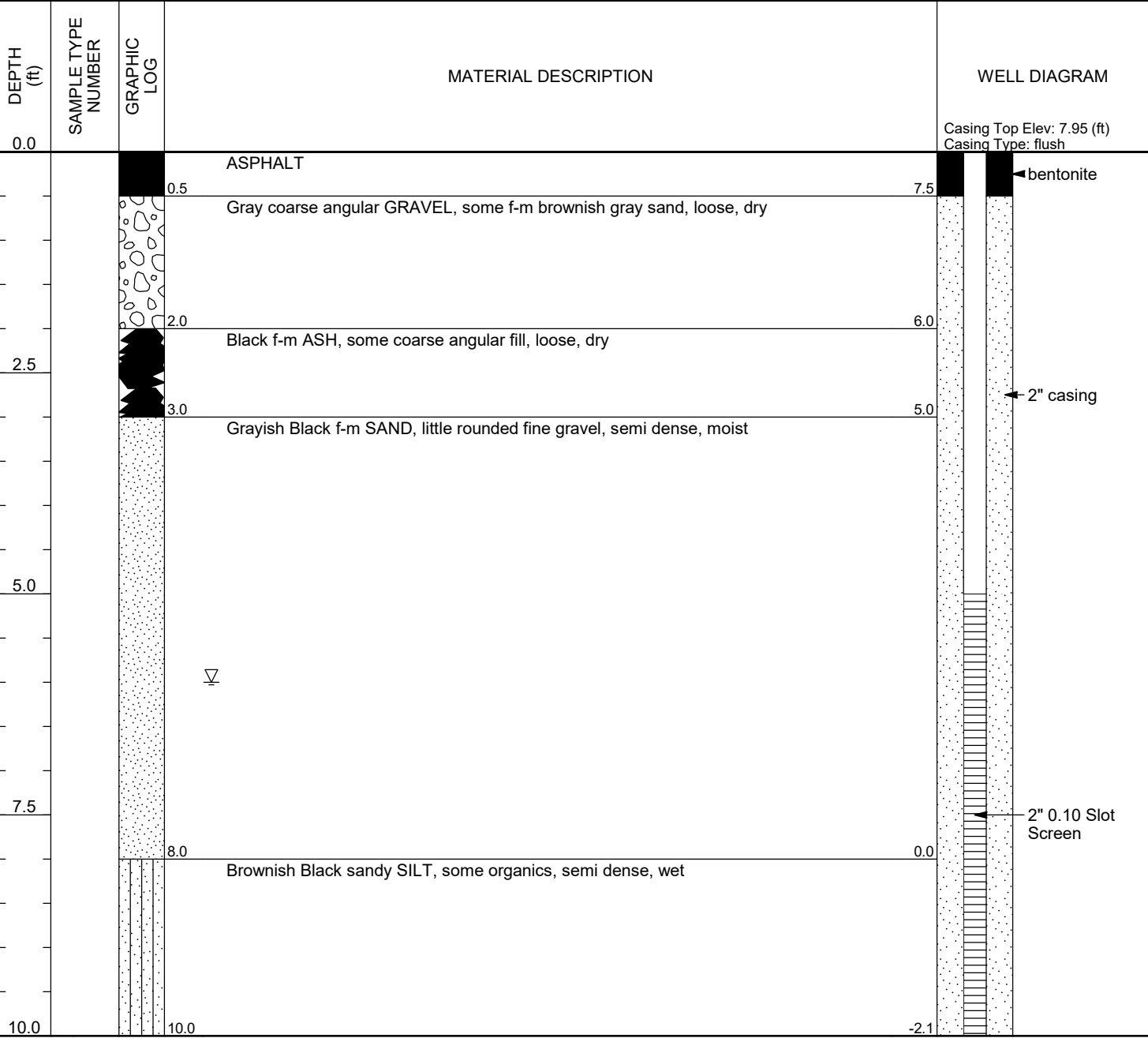
∇ WATER LEVEL DRILLING 6.00 ft / Elev 1.95 ft

DRILLING METHOD Track mounted geoprobe

LOGGED BY KT CHECKED BY JA

NOTES \_\_\_\_\_

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 5/10/19 08:55 - T:\MORAN\MORAN\PPG - CHROME\SITE 63-65\ REPORTS\2019-05 SITE 63 GROUNDWATER RIR RAW\PIWELL LOGS\PPG SITE 63-65 WELL LOGS.GPJ



Bottom of borehole at 10.0 feet.

**WELL PERMIT**

New Well

The New Jersey Department of Environmental Protection grants this permit in accordance with your application, attachments accompanying same application, and applicable laws and regulations. This permit is also subject to further conditions and stipulations enumerated in the supporting documents which are agreed to by the permittee upon acceptance of the permit

**Certifying Driller:** BRIAN D KOKOT, JOURNEYMAN LICENSE # 0017863

**Permit Issued to:** ENVIRONMENTAL PROBING INVESTIGATION

**Company Address:** 833 MONMOUTH RD CREAM RIDGE, NJ 08514

**PROPERTY OWNER**

Name: STATE OF NJ DEPT OF ENV PROTECTION

Organization: State of New Jersey Dept of Env Protection

Address: 36 West State Street

City: Trenton

State: New Jersey

Zip Code: 08625

**PROPOSED WELL LOCATION**

Facility Name: Liberty State Park

Address: 185 Theodore Conrad Drive

County: Hudson

Municipality: Jersey City

Lot: 1

Block: 24304

Easting (X): 612382 Northing (Y): 680362

**Local ID:** MW-303

Coordinate System: NJ State Plane (NAD83) - USFEET

**SITE CHARACTERISTICS**

**PROPOSED CONSTRUCTION**

**WELL USE:** MONITORING

Other Use(s): \_\_\_\_\_

Diameter (in.): 2

Regulatory Program

Requiring Wells/Borings: \_\_\_\_\_

Depth (ft.): 10

Case ID Number: \_\_\_\_\_

Pump Capacity (gpm): 0

Deviation Requested: N

Drilling Method: Hollow Stem Augers

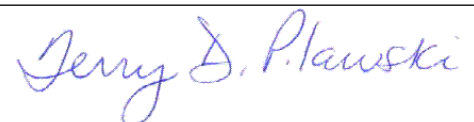
Attachments: \_\_\_\_\_

**SPECIFIC CONDITIONS/REQUIREMENTS**

**Approval Date:** February 13, 2019

**Expiration Date:** February 13, 2020

Approved by the authority of:  
Catherine R. McCabe  
Commissioner



Terry Pilawski, Chief  
Bureau of Water Allocation and Well Permitting

**WELL PERMIT**  
 New Well

<b>DEVIATION INFORMATION</b>	
Purpose:	
Unusual Conditions:	
Reason for Deviation:	
Proposed Well Construction	

<b>GENERAL CONDITIONS/REQUIREMENTS</b>
A copy of this permit shall be kept at the worksite / on the property and shall be exhibited upon request. [N.J.A.C. 7:9D-1]
A well record must be submitted by the well driller to the Bureau of Water Systems and Well Permitting. Unless prior written approval is obtained from the Bureau of Water Systems and Well Permitting the well record shall be submitted electronically through the New Jersey Department of Environmental Protection's Regulatory Services Portal Submit Well Record: within ninety (90) days after the well is completed.[N.J.A.C. 7:9D-1]
All well drilling/pump installation activities shall comply with N.J.A.C. 7:9D-1 et seq. [N.J.A.C. 7:9D-1]
For this permit to remain valid, the well approved in this permit shall be constructed within one year of the effective date of the permit. [N.J.A.C. 7:9D-1]
If the pump capacity applied for is less than 70 gpm, no subsequent increase to 70 gpm or more shall be made without prior approval of the Bureau of Water Systems and Well Permitting. [N.J.A.C. 7:9D-1]
If the use of the well is to be changed a well permit for the proposed use of the well shall be submitted for review and approval. [N.J.A.C. 7:9D-1]
If you or a future property owner intend to redesignate this well as a Category 1 well (domestic, non-public, community water supply or public non-community water supply wells), the well must be constructed as a Category 1 well per the Well Construction and Abandonment Regulations at N.J.A.C. 7:0D-1.1 et seq. In addition, if the current or future property owner intends to have this well redesignated as a community water supply well, the well must be constructed by a Master well driller, which would include having a Master well driller on-site at all times during construction of the well, as specified in the Well Construction and Abandonment Regulations. Otherwise, the New Jersey Department of Environmental Protection will not allow the well to be redesignated, and a new well would have to be installed. [N.J.A.C. 7:9D-1.7((a))1i]
In accepting this permit the Property Owner and Driller agree to abide by the following terms and conditions [N.J.A.C. 7:9D-1]
In the event that this well is not constructed the well driller shall notify the Bureau of Water Systems and Well Permitting of the permit cancellation. Unless prior written approval is obtained from the Bureau of Water Systems and Well Permitting the Cancellation notification shall be submitted electronically through the New Jersey Department of Environmental Protection's Regulatory Services Portal Submit Well Permit Cancellation : by the expiration date of this permit.[N.J.A.C. 7:9D-1]
In the event this well is abandoned, the Owner or Well driller shall assume full responsibility for having the well decommissioned in a manner satisfactory to the New Jersey Department of Environmental Protection in accordance with the provisions of N.J.A.C. 7:9D-1 et seq. [N.J.A.C. 7:9D-1]
The granting of this permit shall not be construed in any way to affect the title or ownership of property, and shall not make the New Jersey Department of Environmental Protection or the State a party in any suit or question of ownership of property. [N.J.A.C. 7:9D-1]
The issuance of this permit shall not be deemed to affect in any way action by the New Jersey Department of Environmental Protection on any future application. [N.J.A.C. 7:9D-1]
This permit conveys no rights, either expressed, or implied to divert water. [N.J.A.C. 7:9D-1]
This permit does not waive the obtaining of Federal or other State or local Government consent when necessary. This permit is not valid and no work shall be undertaken until such time as all other required approvals and permits have been obtained. [N.J.A.C. 7:9D-1]
This permit is NONTRANSFERABLE [N.J.A.C. 7:9D]
This well shall not be used for the supply of potable / drinking water. [N.J.A.C. 7:9D-1]



**MONITORING WELL RECORD**

**PROPERTY OWNER:** STATE OF NJ DEPT OF ENV PROTECTION

Company/Organization: State of New Jersey Dept of Env Protection

Address: 36 West State Street Trenton, New Jersey 08625

**WELL LOCATION:** Liberty State Park

Address: 185 Theodore Conrad Drive

County: Hudson Municipality: Jersey City Lot: 1 Block: 24304

Easting (X): 612382 Northing (Y): 680362  
 Coordinate System: NJ State Plane (NAD83) - USFEET

**DATE WELL STARTED:** February 21, 2019

**DATE WELL COMPLETED:** February 21, 2019

**WELL USE:** MONITORING

**Other Use(s):** \_\_\_\_\_

**Local ID:** MW-303

**WELL CONSTRUCTION**

Total Depth Drilled (ft.): 12 Finished Well Depth (ft.): 12 Well Surface: Flush Mount

	Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter (inches)	Material	Wgt/Rating/Screen # Used (lbs/ch no.)
Borehole	0	12	8		
Casing	0	7	2	PVC	Sch 40
Screen	7	12	2	PVC	.010

	Depth to Top (ft.)	Depth to Bottom (ft.)	Outer Diameter (in.)	Inner Diameter (in.)	Material		
					Bentonite (lbs.)	Neat Cement (lbs.)	Water (gal.)
Grout	0	5	8	2	24		12
Gravel Pack	5	12	8	2	Morie #1		

Grouting Method: Gravity method

Drilling Method: Hollow Stem Augers

**ADDITIONAL INFORMATION**

Protective Casing: No  
 Static Water Level: 10 ft. below land surface  
 Water Level Measure Tool: Tape  
 Well Development Period: .5 hrs.  
 Method of Development: Submersible  
 Pump Type: \_\_\_\_\_

Pump Capacity: \_ gpm  
 Total Design Head: \_ ft.  
 Drilling Fluid: \_\_\_\_\_  
 Drill Rig: Geoprobe 7720  
 Health and Safety Plan Submitted? Yes

**ATTACHMENTS:**

**GEOLOGIC LOG**

0 - .6: Black OT - Other Top soil  
 .5 - 12: Brown SM - Silty sands, sand-silt mixtures

**ADDITIONAL INFORMATION:**

Driller of Record: Carl Farley,  
MONITORING LICENSE # 225877

Company: ENVIRONMENTAL PROBING  
INVESTIGATION



**New Jersey Department of Environmental Protection**  
Site Remediation Program

**MONITORING WELL CERTIFICATION FORM A - AS-BUILT CERTIFICATION**

Date Stamp  
(For Department use only)

**SECTION A. SITE NAME AND LOCATION**

Site Name: Site 063  
 List all AKAs: Baldwin Oils  
 Street Address: 1 Burma Road  
 Municipality: Jersey City (Township, Borough or City)  
 County: Hudson Zip Code: 07305  
 Program Interest (PI) Number(s): G000008691 Case Tracking Number(s): \_\_\_\_\_

**SECTION B. WELL OWNER AND LOCATION**

1. Name of Well Owner STATE OF NJ DEPT OF ENV PROTECTION  
 2. Well Location (Street Address) 185 Theodore Conrad Drive  
 3. Well Location (Municipal Block and Lot) Block# 24304 Lot # 1

**SECTION C. WELL LOCATION SPECIFICS**

1. Well Permit Number (This number must be permanently affixed to the well casing):.. E201901458  
 2. Site Well Number as shown on application or plans): ..... MW-303  
 3. Well Completion Date: ..... 2/21/2019  
 4. Distance from Top of Casing (cap off) to ground surface (nearest 0.01'): ..... -0.44  
 5. Total Depth of Well to the nearest 1/2 foot: ..... 12  
 6. Depth to Top of Screen (or top of open hole) from top of casing (nearest 0.01'):..... 7  
 7. Screen Length (or length of open hole) in feet: ..... 5  
 8. Screen or Slot Size: ..... 0.010  
 9. Screen or Slot Material: ..... PVC  
 10. Casing Material (PVC, steel, or other – specify): ..... PVC  
 11. Casing Diameter (inches): ..... 2  
 12. Static Water Level from top of casing at the time of installation (nearest 0.01'): ..... 10  
 13. Yield (gallons per minute): ..... 2  
 14. Development Technique (specify): ..... Pump and surge  
 15. Length of Time well is developed/pumped or bailed (hours and minutes): ..... 0.5



**New Jersey Department of Environmental Protection**  
**Site Remediation Program**

**Monitoring Well Certification Form B - Location Certification**

Date Stamp  
 (For Department use only)

**SECTION A. SITE NAME AND LOCATION**

Site Name: Liberty State Park  
 List all AKAs: \_\_\_\_\_  
 Street Address: 185 Theodore Conrad Drive  
 Municipality: Jersey City (Township, Borough or City)  
 County: Hudson Zip Code: 07305  
 Program Interest (PI) Number(s): G00008691 Case Tracking Number(s): \_\_\_\_\_

**SECTION B. WELL OWNER AND LOCATION**

1. Name of Well Owner State of New Jersey Dept of Env Protection  
 2. Well Location (Street Address) 185 Theodore Conrad Drive  
 3. Well Location (Municipal Block and Lot) Block# 24304 Lot # 1

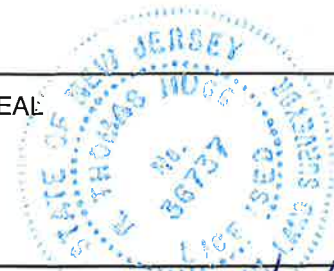
**SECTION C. WELL LOCATION SPECIFICS**

1. Well Permit Number (This number must be permanently affixed to the well casing): E201901458  
 2. Site Well Number (As shown on application or plans): MW-303  
 3. Geographic Coordinate NAD 83 to nearest 1/100 of a second:  
 Latitude: North 40-42-01.69 Longitude: West 74-03-58.34  
 4. New Jersey State Plane Coordinates NAD 83 datum, US survey feet units, to nearest foot:  
 North 680373 East 612396  
 5. Elevation of Top of Inner Casing (cap off) at reference mark (nearest 0.01'): 9.06  
 Elevation Top of Outer casing: 9.51 Elevation of ground: 9.50  
 Check one:  NAVD 88  NVDG29  On Site Datum  Other  
 6. Source of elevation datum (benchmark, number/description and elevation/datum). If an on-site datum is used, identify here, assume datum of 100', and give approximated actual elevation (referencing NAVD 88).  
GPS observations using KEYNET VRS SYSTEM in NAVD88  
 7. Significant observations and notes:

**SECTION D. LAND SURVEYOR'S CERTIFICATION**

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment.

SEAL



Professional Land Surveyor's Signature: *R. Thomas Hugg* Date: 3/18/19  
 Surveyor's Name: R. Thomas Hugg License Number: 24GS03673700  
 Firm Name: Maser Consulting P.A. Certificate of Authorization #: 24GA27986500  
 Mailing Address 500 Scarborough Drive, Suite 108  
 City/Town: Egg Harbor Twp. State New Jersey Zip Code: 08234  
 Phone Number 609-910-4068 Ext.: 4419 Fax: 609-390-0040



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Trenton, NJ 08691

# WELL NUMBER MW-303

PAGE 1 OF 1

CLIENT PPG  
 PROJECT NUMBER \_\_\_\_\_  
 DATE STARTED 2/12/19 COMPLETED 2/12/19  
 DRILLING CONTRACTOR EPI  
 DRILLING METHOD Track mounted geoprobe  
 LOGGED BY KT CHECKED BY JA  
 NOTES \_\_\_\_\_

PROJECT NAME Site 63/65  
 PROJECT LOCATION 1 Burma Road, Jersey City, New Jersey  
 GROUND ELEVATION 9.50 ft HOLE SIZE 2 inches  
 WATER LEVEL DRILLING 5.00 ft / Elev 4.06 ft

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 5/10/19 08:55 - T:\MORAN\MORAN\PPG - CHROME\SITE 63-65 - REPORTS\2019-05 SITE 63 GROUNDWATER RIR RAW\PIWELL LOGS\PPG SITE 63-65 WELL LOGS.GPJ

DEPTH (ft)	SAMPLE TYPE NUMBER	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM
0.0				Casing Top Elev: 9.06 (ft) Casing Type: flush
			Dark Brown fine SAND with some subrounded medium gravel, little fill, semi dense, moist	
2.0			Brown medium SAND, some subrounded fill, little cobbles, semi dense, moist	
2.5				
4.0			Brown fine SAND, little fine rounded gravel, loose, moist	
5.0			Subangular fill, concrete, wet	
5.0				4.1
7.5			Black fine SAND, some ash, little fine subrounded gravel, loose, wet	
8.0				1.1
10.0				
11.0			MEADOW MAT	
12.0				-1.9
				-2.9

Bottom of borehole at 12.0 feet.